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Ohio
Labor
Market
Information

Labor Market Review

1986 Annual Summary

Summary. The moderate increase in Ohio nonagricultural wage and salary employment in 1986 gives evidence of continued expansion in the State economy, although the overall rate of improvement slowed once again between 1985 and 1986. The rate of increase was 4.1 percent in 1984, 2.6 percent in 1985, and 2.3 percent in 1986. Largest increases between 1985 and 1986 occurred in services and retail trade, while the decline in manufacturing employment accelerated.

Of jobs lost between 1979 and 1983, 97.4 percent have now been regained. Nearly nine of every ten jobs added since 1983 have been in the nonmanufacturing sector. The table below shows the structural change from goods production to service production in the economies of Ohio and the nation. A larger proportion of Ohio employment is concentrated in manufacturing industries, which were hardest hit in the last recessionary period. The manufacturing share of total nonagricultural wage and salary employment has continued to decline since 1983. In nonmanufacturing, shares for services, retail trade, wholesale trade, and finance, insurance, and real estate expanded during the 1979 to 1983 period, and continued to do so between 1983 and 1986. The majority of new jobs were added in services and retail trade.

Percent of Employment in Nonagricultural Divisions
Ohio and U.S., 1979, 1983, and 1986

INDUSTRY	OHIO			U.S.		
	1979	1983	1986	1979	1983	1986
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0
Goods Producing	35.6	29.9	28.9	29.5	25.9	24.9
Mining	.7	.7	.5	1.1	1.1	.8
Construction	4.1	3.2	3.6	5.0	4.4	5.0
Manufacturing	30.8	26.0	24.8	23.4	20.4	19.2
Service Producing	64.4	70.1	71.1	70.6	74.1	75.1
Transportation and Public Utilities	5.2	4.9	4.6	5.7	5.5	5.3
Wholesale Trade	5.2	5.4	5.5	5.8	5.8	5.8
Retail Trade	16.5	17.4	18.3	16.7	17.3	17.9
Finance, Insurance, and Real Estate	4.5	5.1	5.2	5.5	6.1	6.3
Services	18.0	21.3	22.3	19.1	21.8	23.0
Government	15.0	16.0	15.2	17.8	17.6	16.7

Labor Force. Following a 1.0 percent increase in 1985, Ohio's civilian labor force rose 1.8 percent in 1986, to a new all-time high of 5,234,000. The civilian labor force in the U.S. grew 2.1 percent in 1986. (See table, page 2.)

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Dr. Roberta Steinbacher, Administrator

Total Employment. According to the household survey, 125,000 more people were employed in Ohio in 1986 than the year before, an improvement of 2.7 percent. This employment level marks an all-time record for the State, and a 1.0 percent improvement over the previous record reached in 1979.

Civilian Labor Force Estimates For Ohio and The U.S.
(Employed and Unemployed in Thousands)

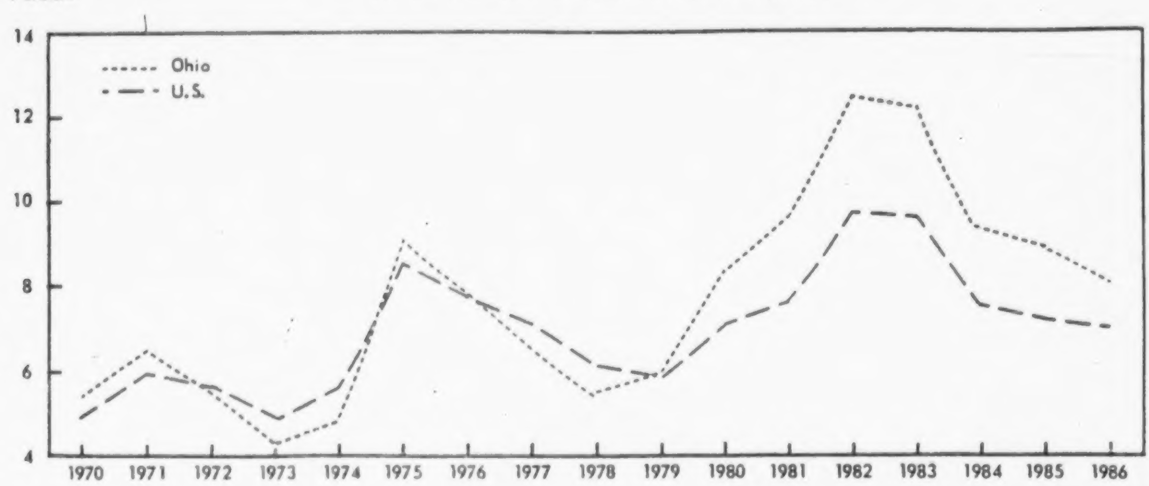
OHIO				YEAR	UNITED STATES			
CIVILIAN LABOR FORCE	EMPLOYMENT	UNEMPLOYMENT			CIVILIAN LABOR FORCE	EMPLOYMENT	UNEMPLOYMENT	
		TOTAL	RATE				TOTAL	RATE
4,513	4,263	249	5.5	**1972**	87,034	82,153	4,882	5.6
4,623	4,425	198	4.3	**1973**	89,429	85,064	4,365	4.9
4,710	4,485	225	4.8	**1974**	91,949	86,794	5,156	5.6
4,723	4,294	429	9.1	**1975**	93,775	85,846	7,929	8.5
4,751	4,380	370	7.8	**1976**	96,158	88,752	7,406	7.7
4,833	4,520	312	6.5	**1977**	99,009	92,017	6,991	7.1
4,959	4,690	268	5.4	**1978**	102,251	96,048	6,202	6.1
5,059	4,760	299	5.9	**1979**	104,962	98,824	6,137	5.8
5,089	4,663	426	8.4	**1980**	106,940	99,303	7,637	7.1
5,100	4,608	492	9.6	**1981**	108,670	100,397	8,273	7.6
5,114	4,474	640	12.5	**1982**	110,204	99,526	10,678	9.7
5,099	4,478	621	12.2	**1983**	111,550	100,834	10,717	9.6
5,089	4,609	480	9.4	**1984**	113,544	105,005	8,539	7.5
5,139	4,684	456	8.9	**1985**	115,461	107,150	8,312	7.2
5,234	4,809	426	8.1	**1986**	117,834	109,597	8,237	7.0

TABLE OF CONTENTS

Page
Ohio Summary 1
Seasonally Adjusted Nonagricultural Wage and Salary Employment Data and Graphs, 1977-1986 6
Nonagricultural Wage and Salary Employment Graph 21
Nonagricultural Wage and Salary Employment and Hours and Earnings Tables 22
Metropolitan Area Statistics
    Akron PMSA 34
    Canton MSA 42
    Cincinnati PMSA 50
    Cleveland PMSA 60
    Columbus MSA 70
    Dayton-Springfield MSA 80
    Toledo MSA 90
    Youngstown-Warren MSA 100
Technical Notes 108
The Ohio Labor Force, 1986 109

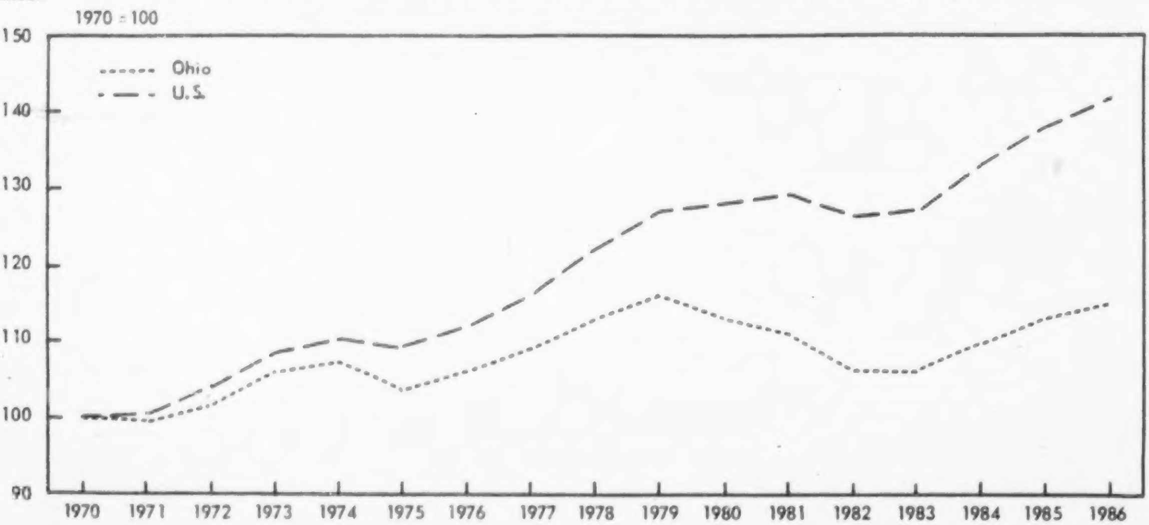
Unemployment. Ohio's annual average unemployment rate dropped from 8.9 percent in 1985 to 8.1 percent in 1986. The Ohio rate was 1.1 percentage points above the national rate. The U.S. unemployment rate was down from 7.2 percent in 1985, to 7.0 percent in 1986. Unemployed workers in Ohio averaged 426,000 per month in 1986, down 30,000 from 1985.

OHIO AND U.S. UNEMPLOYMENT RATES



Nonagricultural Wage and Salary Employment. Total nonfarm wage and salary employment increased 2.3 percent from 1985 to 1986, to 4,475,000. The 1986 level was 102,000 above the level for 1985, and just 10,000 below the peak in 1979. Employment in every nonmanufacturing industry, with the exception of mining, advanced in 1986. Important increases were reported in services, retail trade, government, finance, insurance, and real estate, and construction. Employment in durable goods continued to decline, reducing manufacturing employment despite a slight improvement in nondurable goods over the year. (See table, page 4, top.)

INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



Growth Industries. Ohio's most rapidly growing industry in 1986 was, once again, business services. (See table, page 4, bottom.) General building contractors, not among the top ten growth industries in 1985, was the number two growth industry in 1986. The number of jobs in insurance carriers, eating and drinking places, automobile dealers and service stations, health services, and special trade contractors also increased significantly.

Ohio Employment Changes, 1985-1986

INDUSTRY	1986 Employment (in thousands)	Employment Change 1985-1986	Percent Change 1985-1986
TOTAL	4,475.2	102.3	2.3
Manufacturing	1,109.3	- 14.9	- 1.3
Durable Goods	753.2	- 15.5	- 2.0
Nondurable Goods	356.1	.6	.2
Nonmanufacturing	3,366.0	117.4	3.6
Mining	22.7	- 3.4	-13.0
Construction	160.8	6.8	4.4
Transportation and Public Utilities	205.5	2.8	1.4
Wholesale Trade	246.0	2.3	.9
Retail Trade	820.5	32.6	4.1
Finance, Insurance, and Real Estate	231.8	12.5	5.7
Services	998.8	49.3	5.2
Government	679.8	14.6	2.2

Employment Gains and Losses
Ohio and U.S., 1985-1986

Growing and Declining Industries	1986 Ohio Employment (in thous.)	1985-1986 Percent Change	
		Ohio	U.S.
Most Rapidly Growing Industries**			
Business Services	191.6	10.9	8.0
General Building Contractors	41.1*	7.3	4.5
Insurance Carriers	62.9	6.2	5.7
Eating and Drinking Places	288.6	5.3	3.6
Auto Dealers and Service Stations	91.0	5.1	3.3
Health Services	344.0	4.3	4.4
Special Trade Contractors	99.1*	4.0	NA
State Government	148.1	3.6	2.4
Food Stores	128.4	2.4	5.5
Local Government	437.9*	1.8	2.2
Declining Industries			
Oil and Gas Extraction	8.0*	-25.9	-20.7
Railroads	15.7*	- 7.6	NA
Bituminous Coal and Lignite Mining	10.1*	- 6.5	NA
Primary Metal Industries	95.4*	- 6.3	- 5.5
Machinery, Except Electrical	158.7*	- 4.5	- 4.6
Apparel and Other Textile Products	16.3*	- 3.6	- .9
Stone, Clay, and Glass Products	49.4*	- 2.2	.7
Fabricated Metal Products	136.8*	- 1.9	- 2.0
Electric and Electronic Equipment	89.8*	- 1.0	- 1.7
Educational Services (private only)	58.5	- .8	NA
Total, All Industries			
Manufacturing	1,109.3*	- 1.3	- .7
Nonmanufacturing	3,366.0	3.6	3.4

*1986 employment is below 1979 level.
**Includes only employment sectors with changes exceeding 2,800.

Declining Industries. Oil and gas extraction, railroads, and bituminous coal and lignite mining topped the 1986 list of most rapidly declining industries in Ohio. These were followed closely by six manufacturing industries: primary metals, nonelectrical machinery, apparel and other textile products, stone, clay, and glass products, fabricated metal products, and electric and electronic equipment. Educational services in the private sector also showed an important decline.

Ohio Employment Changes and Recovery Rates
By Selected Industry
Annual Averages For 1979, 1983, and 1986

INDUSTRY	EMPLOYMENT (thous.)			CHANGES		% RECOVERY	
	PEAK 1979	TROUGH 1983	CURRENT 1986	79-83	83-86	OHIO	U.S.
TOTAL	4,485	4,093	4,475	-392	382	97.4	+
Manufacturing	1,383	1,066	1,109	-317	43	13.6	27.1
Durable Goods	981	724	753	-257	29	11.3	28.8
Nondurable Goods	402	342	356	- 60	14	23.3	21.0
Nonmanufacturing	3,103	3,027	3,366	- 76	339	446.1	+
Mining	32	27	23	- 5	- 4	-	-
Construction	183	131	161	- 52	30	57.7	195.2
Transportation and Public Utilities	232	199	206	- 33	7	21.2	183.7
Wholesale Trade	233	223	246	- 10	23	230.0	+
Retail Trade	742	711	821	- 31	110	354.8	+
Finance, Insurance, and Real Estate	201	208	232	7	- 24	+	+
Services	806	873	999	67	126	+	+
Government	674	656	680	- 18	24	133.3	924.8

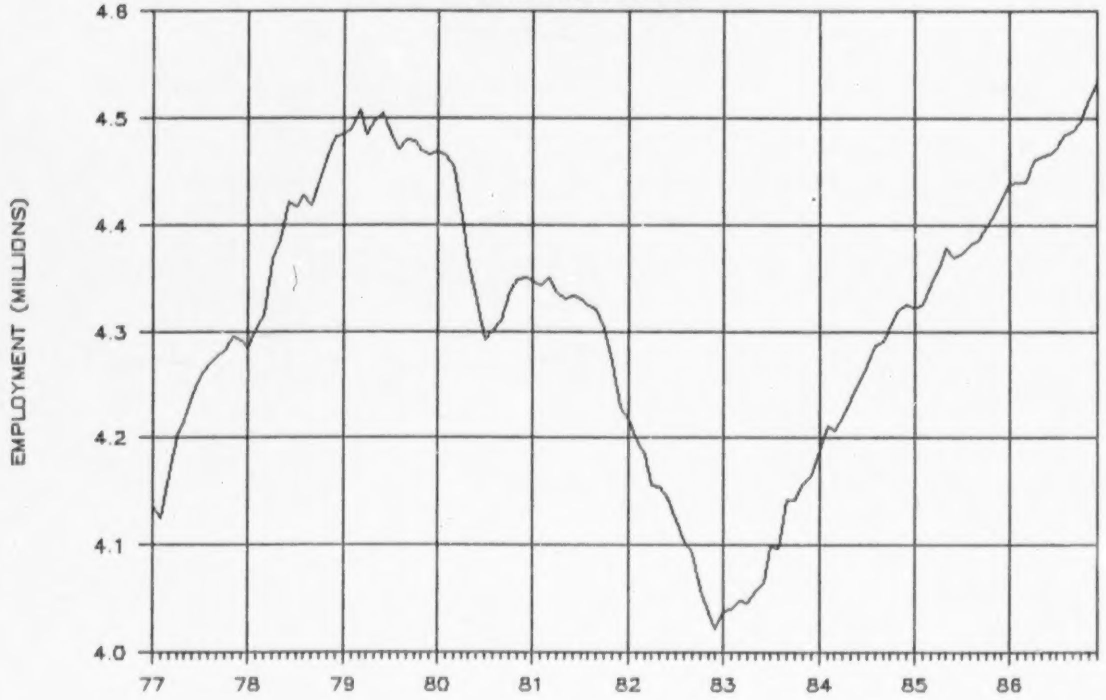
+ No downturn, 1979-1983.
- No upturn, 1983-1986.

Losses and Recovery. During the 1979-1983 recessionary period, 392,000 jobs were lost in Ohio. Since 1983, 97.4 percent, or 382,000 jobs, have been recovered. (See table, above.) All Ohio nonagricultural wage and salary employment division-level sectors, except services and finance, insurance, and real estate, experienced employment reductions between 1979 and 1983. Durable-goods manufacturing industries suffered the greatest losses and have been slowest to recover. Nondurable-goods and construction employment also dropped off significantly in the State and nationwide during the last recessionary period. During the recovery period, from 1983 to 1986, Ohio regained just 13.6 percent of lost factory jobs, while 27.1 percent were recovered nationally. Nearly ninety percent of the recovery in Ohio nonagricultural wage and salary employment resulted from the formation of new jobs in services and retail trade. Healthy expansion also occurred in construction; finance, insurance, and real estate; government, especially in local school districts; and wholesale trade.

Conclusion. Ohio experienced a continued improvement in its job situation in 1986. Total employment reached a record high, while total unemployment was at its lowest point since 1979. The unemployment rate fell from eighth highest in the nation in 1985 to sixteenth highest in 1986. Ohio reflected the nationwide shift in employment to service-producing industries.

TOTAL NONAGRICULTURAL

SEASONALLY ADJUSTED



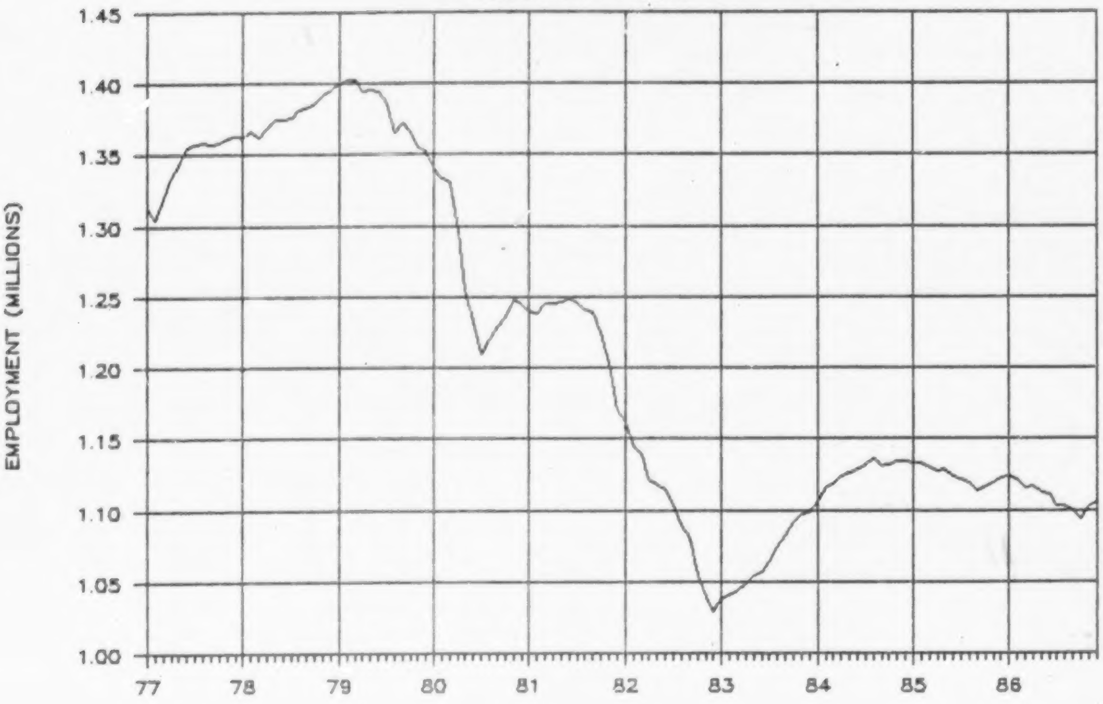
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL NONAGRICULTURAL EMPLOYMENT

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	4,135	4,125	4,166	4,202	4,216	4,239	4,257	4,268	4,276	4,282	4,296	4,292
1978	4,284	4,302	4,315	4,367	4,386	4,422	4,416	4,428	4,418	4,441	4,464	4,483
1979	4,484	4,490	4,508	4,484	4,497	4,505	4,486	4,470	4,479	4,478	4,469	4,466
1980	4,468	4,464	4,454	4,407	4,363	4,329	4,292	4,301	4,311	4,336	4,349	4,350
1981	4,347	4,342	4,351	4,336	4,330	4,334	4,330	4,325	4,322	4,302	4,270	4,228
1982	4,218	4,199	4,186	4,156	4,155	4,144	4,125	4,104	4,094	4,060	4,038	4,022
1983	4,040	4,040	4,048	4,047	4,058	4,066	4,100	4,098	4,142	4,142	4,158	4,165
1984	4,188	4,211	4,207	4,220	4,236	4,252	4,268	4,287	4,290	4,305	4,319	4,326
1985	4,321	4,326	4,345	4,359	4,379	4,368	4,374	4,380	4,385	4,398	4,410	4,422
1986	4,438	4,440	4,440	4,459	4,464	4,466	4,472	4,484	4,488	4,497	4,518	4,532

TOTAL MANUFACTURING

SEASONALLY ADJUSTED



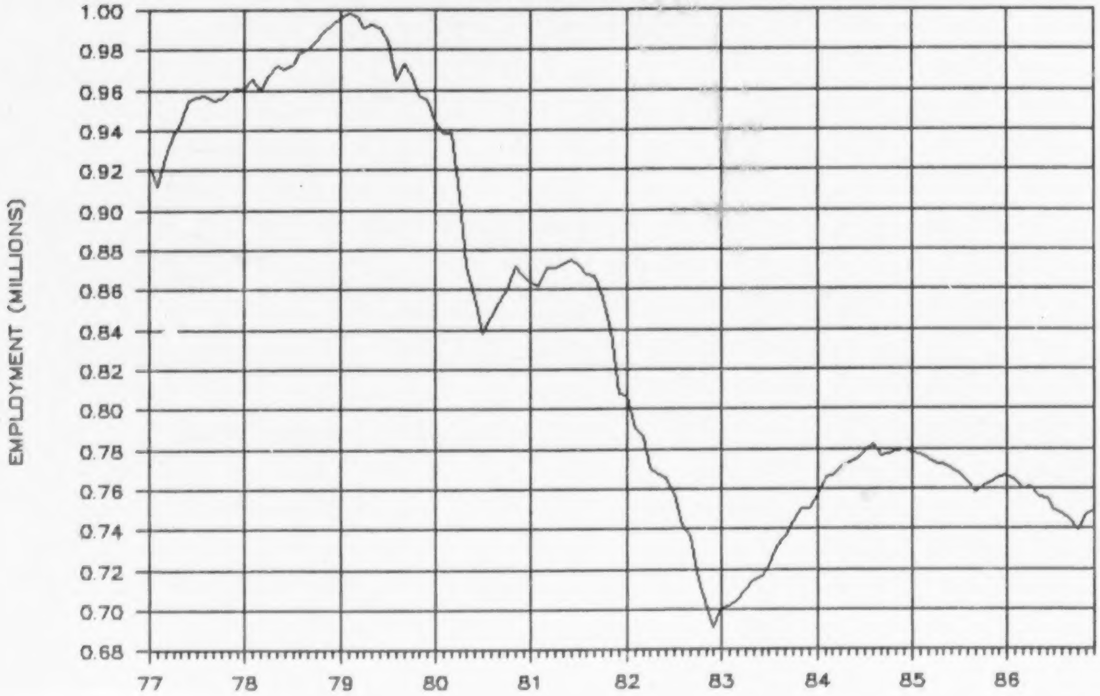
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	1,314	1,304	1,320	1,335	1,342	1,355	1,357	1,358	1,357	1,358	1,363	1,363
1978	1,362	1,367	1,362	1,370	1,375	1,375	1,376	1,382	1,383	1,387	1,392	1,396
1979	1,400	1,403	1,402	1,395	1,396	1,394	1,387	1,366	1,372	1,366	1,356	1,353
1980	1,341	1,333	1,331	1,296	1,255	1,234	1,209	1,220	1,229	1,236	1,249	1,244
1981	1,240	1,238	1,246	1,246	1,247	1,249	1,246	1,241	1,239	1,225	1,204	1,170
1982	1,163	1,145	1,139	1,121	1,118	1,114	1,105	1,089	1,081	1,055	1,040	1,029
1983	1,039	1,041	1,044	1,049	1,055	1,057	1,064	1,074	1,082	1,091	1,097	1,098
1984	1,107	1,116	1,119	1,124	1,127	1,129	1,133	1,137	1,130	1,133	1,134	1,135
1985	1,133	1,133	1,130	1,127	1,128	1,124	1,122	1,119	1,114	1,117	1,120	1,123
1986	1,124	1,122	1,117	1,117	1,112	1,111	1,103	1,103	1,100	1,094	1,103	1,106

DURABLE GOODS MANUFACTURING

SEASONALLY ADJUSTED

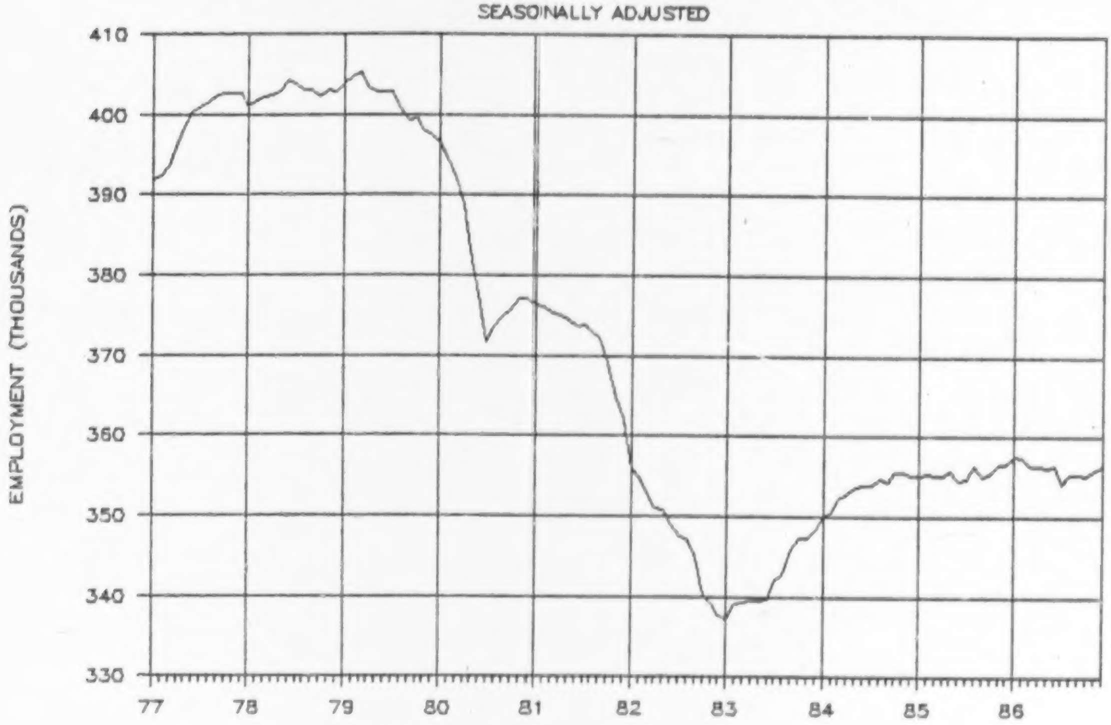


OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

DURABLE-GOODS MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	922	912	927	939	944	955	957	957	955	956	960	961
1978	961	965	960	967	972	971	973	979	980	984	989	993
1979	996	998	997	991	993	991	984	965	973	966	957	955
1980	944	938	939	907	871	857	838	847	854	860	872	867
1981	864	862	871	870	872	875	872	867	867	856	839	808
1982	807	791	786	770	767	765	757	742	736	715	701	691
1983	701	702	705	710	715	717	722	731	736	744	750	750
1984	757	765	767	771	773	775	779	782	776	777	779	780
1985	778	778	775	772	773	770	767	763	759	762	763	766
1986	767	764	760	761	756	755	749	748	744	739	747	750

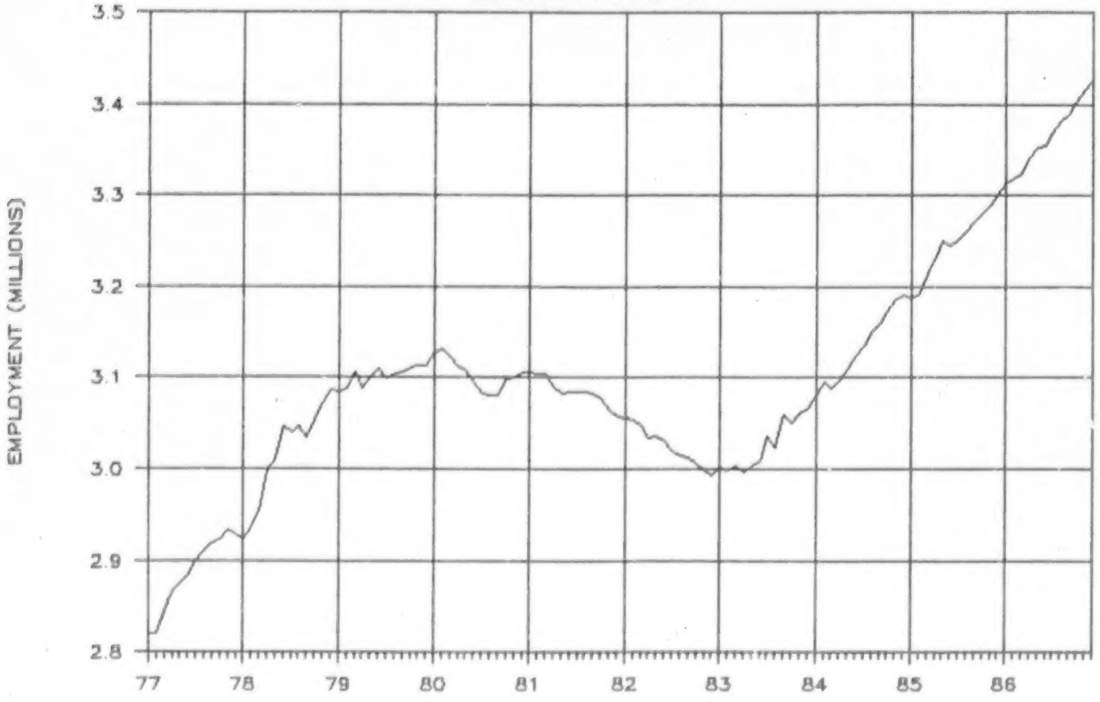
NONDURABLE GOODS MANUFACTURING



OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

NONDURABLE-GOODS MANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	392	392	394	396	399	400	401	402	403	403	403	403
1978	401	402	402	402	403	404	404	403	403	402	403	403
1979	404	405	405	403	403	403	403	401	399	399	398	397
1980	397	395	392	389	383	377	372	374	375	376	377	377
1981	376	376	375	375	375	374	374	373	372	369	365	362
1982	356	355	353	351	351	349	347	347	345	340	339	338
1983	337	339	339	339	340	340	342	343	346	347	347	348
1984	350	351	352	353	354	354	354	355	354	356	356	355
1985	355	355	355	355	356	355	355	356	355	356	357	357
1986	357	357	356	356	356	356	354	355	355	355	356	356



TOTAL NONMANUFACTURING

SEASONALLY ADJUSTED

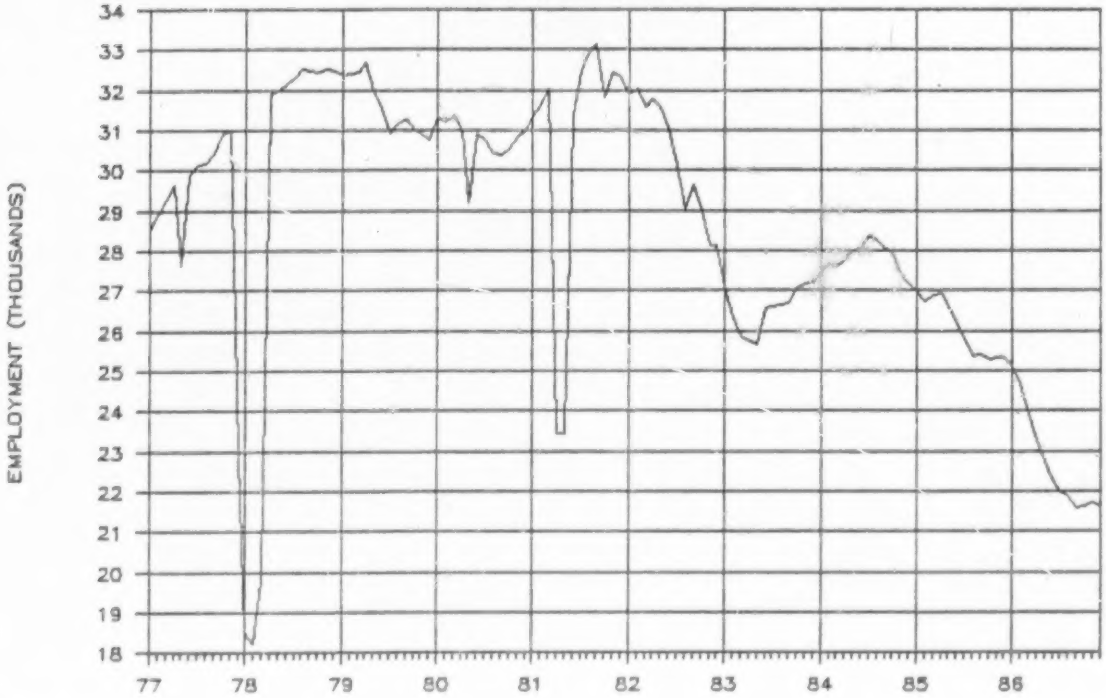
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TOTAL NONMANUFACTURING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	2,821	2,821	2,845	2,867	2,874	2,883	2,900	2,910	2,919	2,923	2,933	2,929
1978	2,922	2,935	2,953	2,998	3,011	3,047	3,040	3,046	3,035	3,055	3,072	3,087
1979	3,084	3,088	3,105	3,089	3,101	3,111	3,099	3,104	3,107	3,112	3,113	3,113
1980	3,128	3,131	3,123	3,112	3,109	3,095	3,082	3,081	3,082	3,100	3,100	3,106
1981	3,107	3,104	3,105	3,091	3,083	3,085	3,084	3,084	3,082	3,077	3,066	3,058
1982	3,056	3,053	3,047	3,035	3,036	3,030	3,020	3,015	3,012	3,005	2,998	2,993
1983	3,001	2,999	3,003	2,998	3,003	3,009	3,036	3,024	3,059	3,051	3,061	3,067
1984	3,081	3,095	3,089	3,096	3,110	3,124	3,135	3,150	3,160	3,173	3,185	3,191
1985	3,188	3,193	3,215	3,232	3,250	3,244	3,252	3,261	3,272	3,280	3,290	3,300
1986	3,314	3,319	3,323	3,342	3,352	3,355	3,369	3,381	3,388	3,403	3,415	3,426

MINING

SEASONALLY ADJUSTED



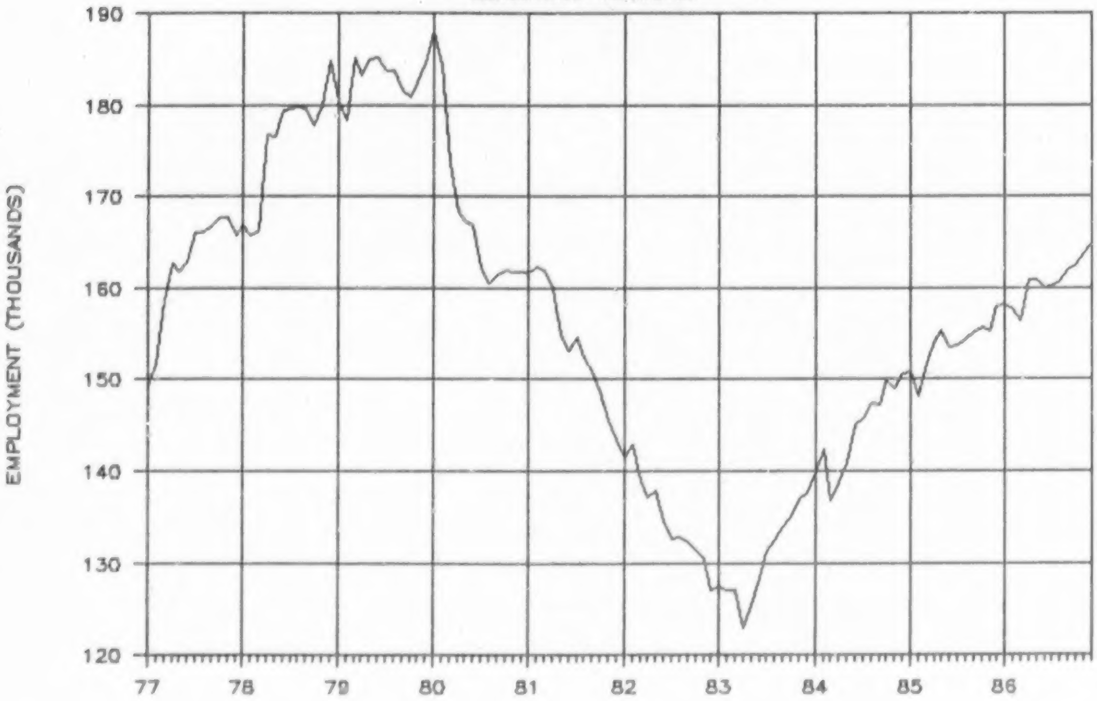
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

MINING

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	29	29	29	32	28	30	30	30	30	31	31	23
1978	18	18	20	30	32	32	32	33	33	32	33	32
1979	32	32	32	33	32	32	31	31	31	31	31	31
1980	31	31	31	31	29	31	31	30	30	31	31	31
1981	31	32	32	23	23	31	32	33	33	32	32	32
1982	32	32	32	32	32	31	30	29	30	29	28	28
1983	27	26	26	26	26	27	27	27	27	27	27	27
1984	27	28	28	28	28	28	28	28	28	28	27	27
1985	27	27	27	27	27	26	26	25	25	25	25	25
1986	25	25	24	23	23	22	22	22	22	22	22	22

CONSTRUCTION

SEASONALLY ADJUSTED



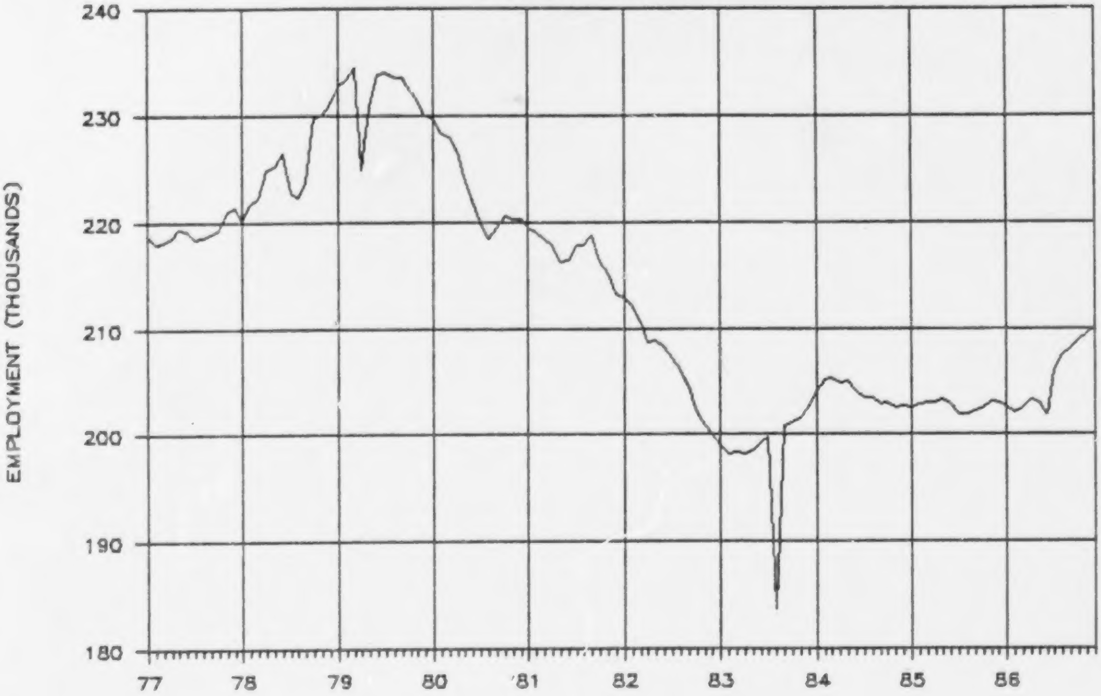
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

CONSTRUCTION

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	149	152	159	163	162	163	166	166	167	168	168	166
1978	167	166	166	177	177	179	180	180	180	178	180	185
1979	180	178	185	183	185	185	184	184	182	181	182	185
1980	188	184	174	168	167	167	162	160	161	162	162	162
1981	162	162	162	160	155	153	155	152	151	149	146	144
1982	141	143	139	137	138	135	133	133	132	131	130	127
1983	127	127	127	123	125	128	131	132	134	135	137	138
1984	140	142	137	139	141	145	146	147	147	150	149	151
1985	151	148	152	154	155	154	154	154	155	156	155	158
1986	158	158	156	161	161	160	160	161	162	162	164	165

TRANSPORTATION & PUBLIC UTILITIES

SEASONALLY ADJUSTED



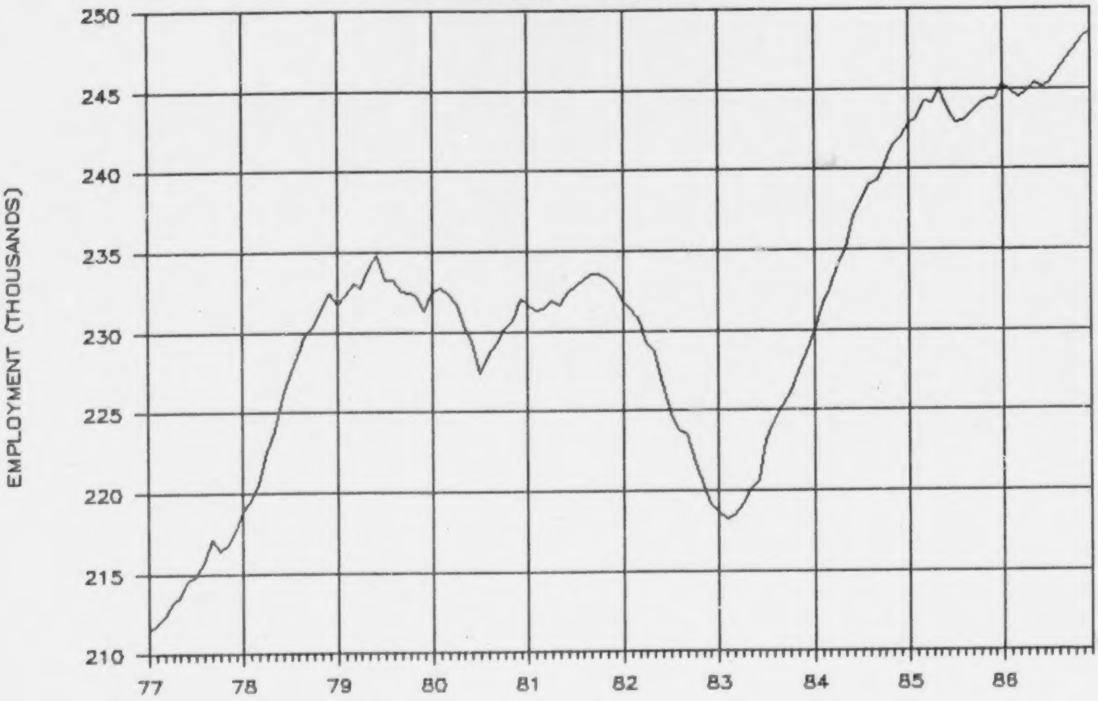
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

TRANSPORTATION AND PUBLIC UTILITIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	219	218	218	219	219	219	218	219	219	219	221	221
1978	220	222	222	225	225	226	223	222	224	230	230	231
1979	233	233	234	225	231	234	234	233	234	232	231	230
1980	230	228	228	227	224	222	220	218	219	221	220	220
1981	220	219	218	218	216	216	218	218	219	216	215	213
1982	213	212	211	209	209	208	207	206	205	202	201	200
1983	199	198	198	198	199	199	200	184	201	201	202	203
1984	204	205	205	205	205	204	204	203	203	203	203	203
1985	202	203	203	203	203	203	202	202	202	202	203	203
1986	203	202	203	203	203	202	206	207	208	209	210	210

WHOLESALE TRADE

SEASONALLY ADJUSTED



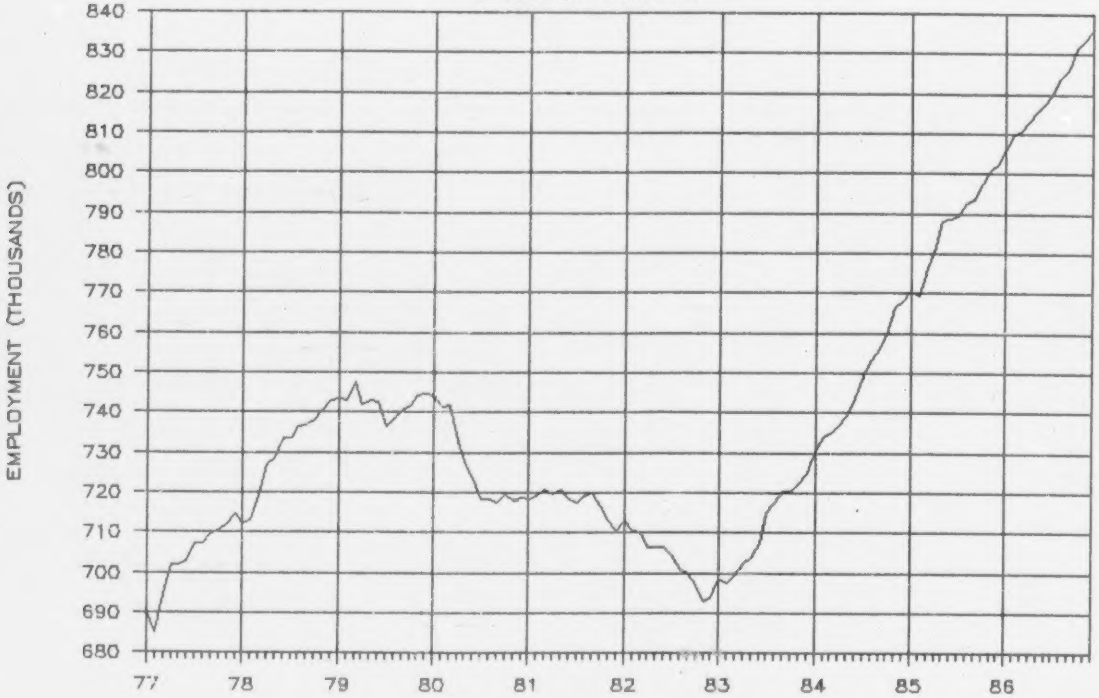
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

WHOLESALE TRADE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	211	212	212	213	214	215	215	216	217	216	217	218
1978	219	220	221	223	224	226	227	228	230	230	231	232
1979	232	232	233	233	234	235	233	233	233	232	232	231
1980	233	233	232	232	230	229	227	229	229	230	231	232
1981	232	231	231	232	232	232	233	233	234	234	233	233
1982	232	231	231	229	229	227	225	224	223	222	220	219
1983	219	218	218	219	220	221	223	224	225	226	227	229
1984	230	232	233	234	235	237	238	239	239	240	241	242
1985	243	243	244	244	245	244	243	243	244	244	244	244
1986	245	245	244	245	245	245	245	246	247	247	248	249

RETAIL TRADE

SEASONALLY ADJUSTED



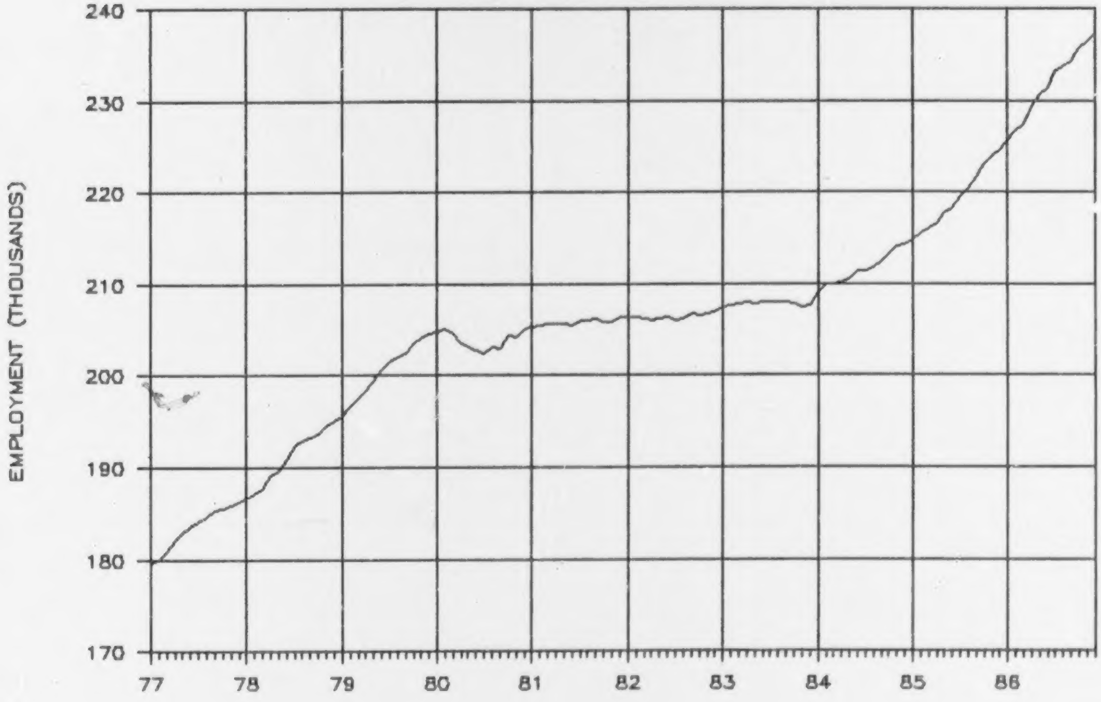
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

RETAIL TRADE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	690	685	695	702	702	703	707	707	710	710	712	715
1978	712	713	719	727	729	733	734	736	737	738	741	743
1979	743	743	748	742	743	742	736	739	741	742	744	745
1980	744	741	742	733	728	724	719	718	717	720	718	719
1981	718	719	721	720	721	718	717	719	720	717	713	710
1982	713	711	710	706	707	706	704	701	700	697	693	694
1983	699	697	700	702	704	707	715	717	721	720	722	725
1984	731	734	735	737	739	744	749	753	756	760	766	768
1985	771	769	776	782	788	789	790	793	794	798	801	802
1986	806	809	811	813	816	818	820	824	826	831	833	836

FINANCE, INSURANCE, & REAL ESTATE

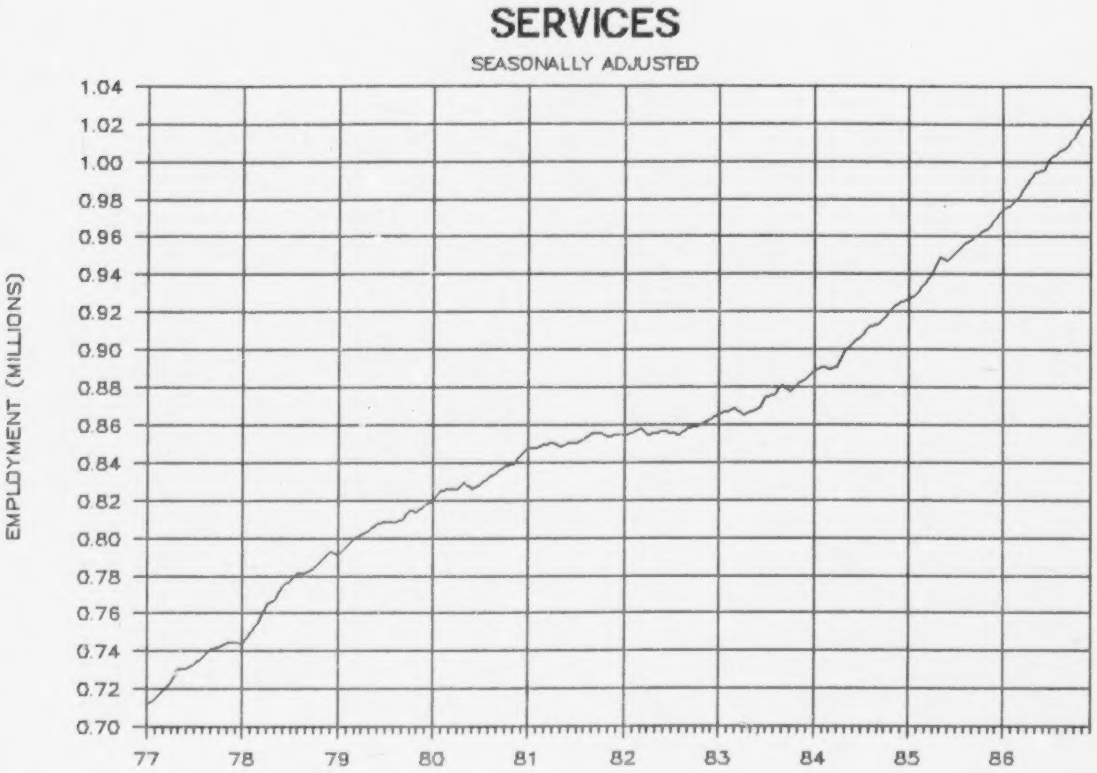
SEASONALLY ADJUSTED



OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

FINANCE, INSURANCE, AND REAL ESTATE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	180	180	181	182	183	184	184	185	185	185	186	186
1978	187	187	188	189	190	191	192	193	193	194	194	195
1979	196	197	197	198	199	201	202	202	202	204	204	205
1980	205	205	205	203	203	203	202	203	203	204	204	205
1981	205	205	206	206	206	205	206	206	206	206	206	206
1982	206	206	206	206	206	206	206	206	207	207	207	207
1983	208	208	208	208	208	208	208	208	208	208	207	208
1984	209	210	210	210	210	211	211	212	213	213	214	214
1985	215	216	216	217	218	218	219	220	222	223	224	225
1986	226	227	227	229	231	231	233	234	234	236	236	237



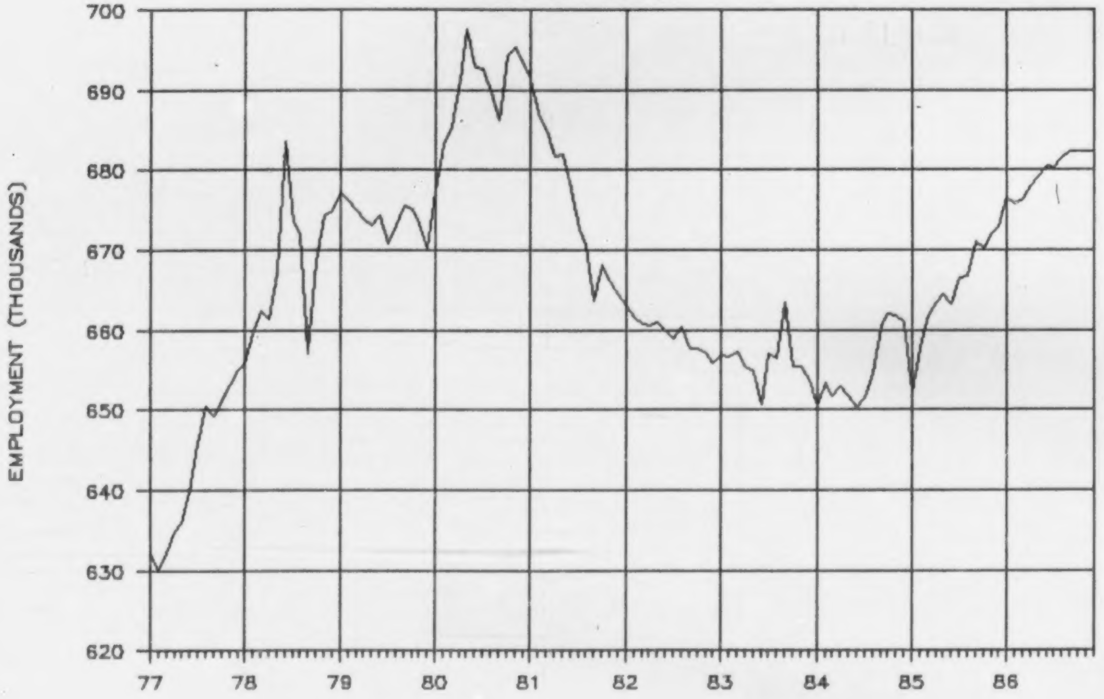
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

SERVICES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	712	715	719	724	731	731	733	737	741	742	745	745
1978	744	750	755	765	767	775	778	782	782	784	788	793
1979	791	795	800	802	804	808	808	809	809	815	814	817
1980	820	825	826	826	829	826	828	832	835	838	839	844
1981	848	848	849	850	849	850	850	852	856	856	854	855
1982	855	856	858	855	856	857	856	855	858	859	861	863
1983	866	867	869	865	867	868	875	875	881	878	882	884
1984	889	891	890	891	899	904	907	913	913	917	922	925
1985	927	930	935	942	949	948	952	956	959	962	965	969
1986	974	977	981	989	994	996	1,002	1,005	1,008	1,013	1,020	1,026

GOVERNMENT

SEASONALLY ADJUSTED



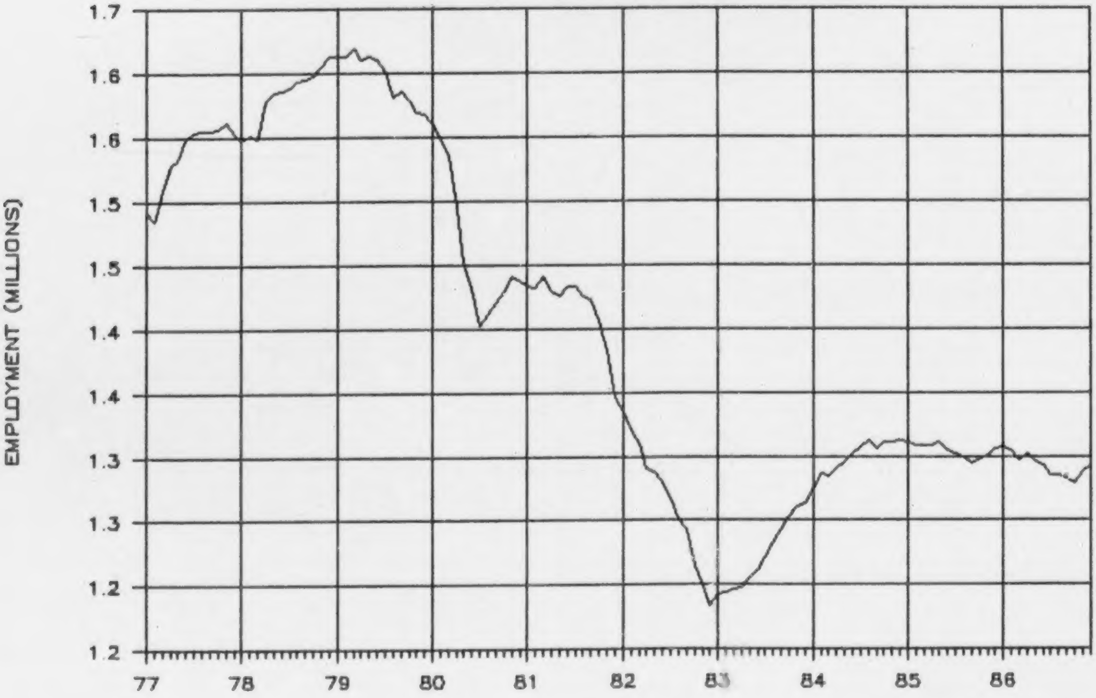
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

GOVERNMENT

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	632	630	632	635	636	640	646	650	649	651	653	655
1978	656	660	662	661	667	684	674	672	657	668	674	675
1979	677	676	675	674	673	674	671	673	676	675	673	670
1980	677	683	685	691	697	693	693	690	686	694	695	693
1981	691	687	685	682	682	678	673	671	664	668	666	664
1982	663	662	661	661	661	660	659	660	658	658	657	656
1983	657	657	657	656	655	651	657	656	663	656	655	654
1984	651	653	652	653	652	650	652	655	660	662	662	661
1985	652	658	662	664	664	663	667	667	671	670	672	673
1986	677	676	676	678	679	680	680	682	682	682	682	682

GOODS PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



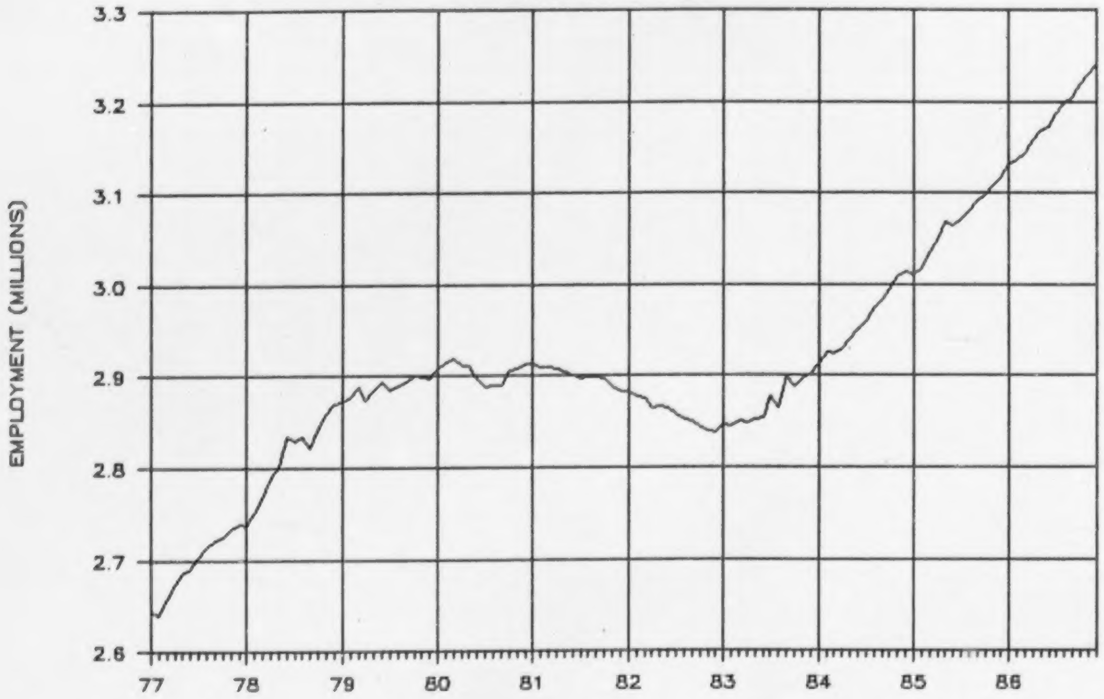
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

GOODS-PRODUCING INDUSTRIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	1,492	1,485	1,508	1,528	1,531	1,548	1,554	1,555	1,555	1,557	1,561	1,552
1978	1,547	1,551	1,548	1,578	1,584	1,586	1,588	1,594	1,595	1,597	1,605	1,613
1979	1,613	1,613	1,620	1,610	1,613	1,611	1,601	1,581	1,585	1,577	1,569	1,568
1980	1,560	1,548	1,536	1,495	1,451	1,432	1,403	1,411	1,421	1,429	1,441	1,437
1981	1,433	1,432	1,440	1,429	1,425	1,433	1,433	1,426	1,423	1,406	1,382	1,346
1982	1,336	1,320	1,309	1,290	1,288	1,280	1,267	1,251	1,243	1,215	1,199	1,184
1983	1,193	1,195	1,197	1,198	1,206	1,212	1,222	1,233	1,243	1,253	1,262	1,263
1984	1,274	1,286	1,283	1,290	1,296	1,302	1,307	1,313	1,306	1,310	1,311	1,313
1985	1,311	1,308	1,309	1,308	1,310	1,304	1,302	1,299	1,294	1,298	1,301	1,306
1986	1,307	1,304	1,297	1,301	1,296	1,293	1,285	1,286	1,283	1,278	1,288	1,292

SERVICE PRODUCING INDUSTRIES

SEASONALLY ADJUSTED



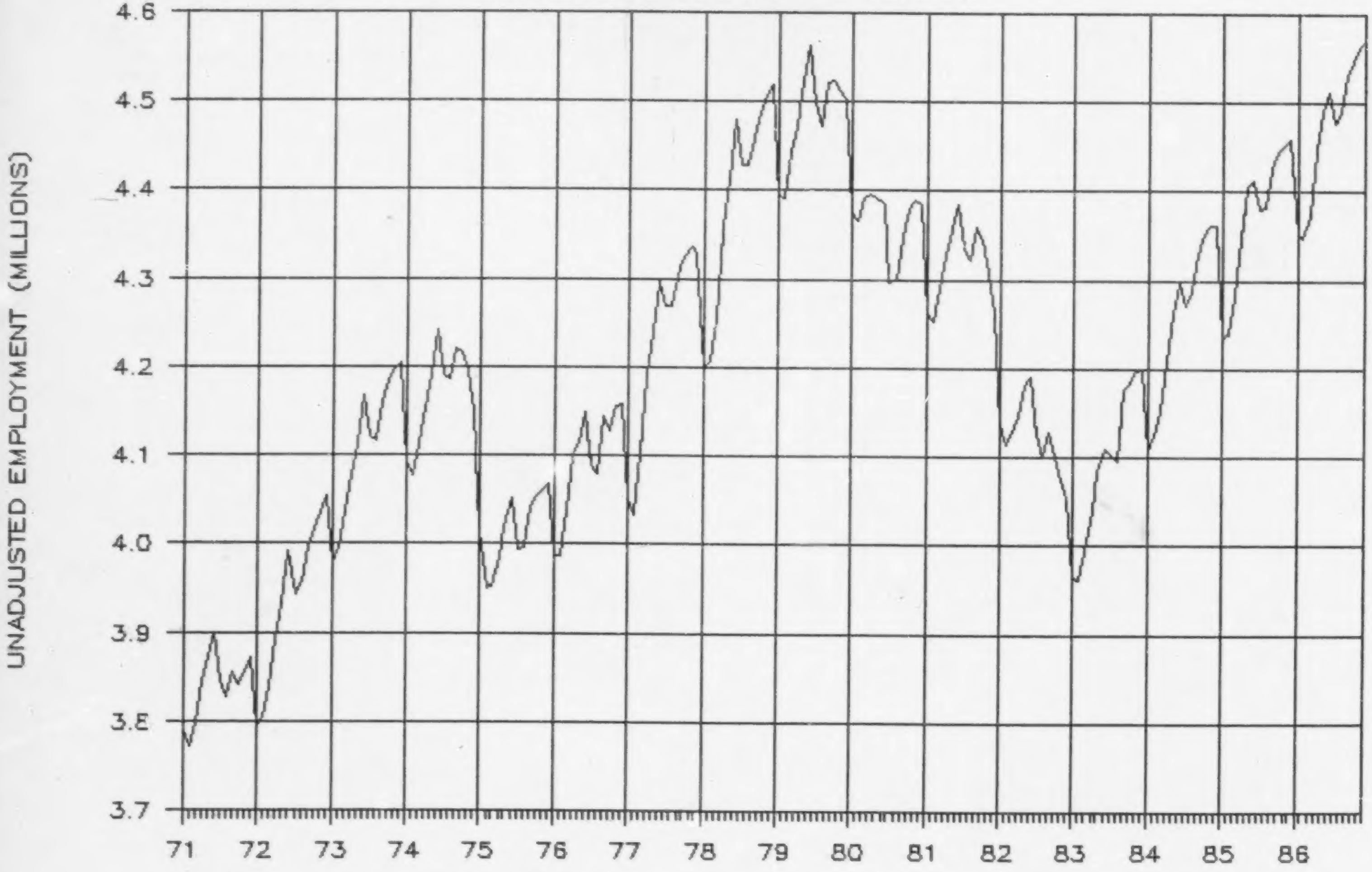
OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT: 1977-1986
(in thousands)
SEASONALLY ADJUSTED

SERVICE-PRODUCING INDUSTRIES

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1977	2,644	2,640	2,657	2,674	2,685	2,691	2,704	2,713	2,722	2,725	2,734	2,740
1978	2,737	2,751	2,767	2,789	2,802	2,835	2,828	2,834	2,822	2,844	2,859	2,870
1979	2,871	2,877	2,888	2,873	2,884	2,894	2,884	2,889	2,894	2,900	2,900	2,898
1980	2,908	2,916	2,918	2,912	2,912	2,897	2,889	2,890	2,890	2,907	2,908	2,914
1981	2,914	2,910	2,911	2,907	2,905	2,901	2,897	2,899	2,898	2,897	2,887	2,882
1982	2,882	2,878	2,876	2,866	2,867	2,864	2,857	2,853	2,850	2,844	2,839	2,838
1983	2,847	2,845	2,850	2,849	2,852	2,854	2,878	2,865	2,899	2,889	2,896	2,902
1984	2,914	2,925	2,924	2,930	2,941	2,951	2,961	2,975	2,984	2,995	3,008	3,013
1985	3,010	3,018	3,036	3,051	3,068	3,064	3,072	3,081	3,091	3,100	3,110	3,117
1986	3,130	3,136	3,143	3,158	3,168	3,173	3,187	3,198	3,205	3,218	3,230	3,240

STATE OF OHIO

TOTAL NONAGRICULTURAL EMPLOYMENT



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4475.2	4352.2	4348.7	4374.5	4446.7	4491.8	4510.9	4478.3	4488.4	4531.8	4546.2	4563.9	4569.4
MANUFACTURING	1109.3	1113.5	1109.8	1110.0	1114.1	1112.3	1118.3	1105.8	1107.4	1109.4	1098.4	1105.8	1106.3
Durable Goods[b]	753.2	759.6	756.7	757.2	760.3	757.2	760.1	750.6	748.4	748.0	741.5	749.1	749.6
Lumber and wood products	18.2	16.7	16.9	17.2	18.0	18.6	18.4	18.6	18.8	18.9	19.0	18.7	18.4
Furniture and fixtures	14.5	14.1	14.4	14.6	14.6	14.7	14.8	14.1	14.7	14.5	14.3	14.5	14.5
Stone, clay, and glass products	49.4	48.2	47.7	48.2	49.6	49.9	50.5	50.4	50.6	50.4	48.6	49.2	49.0
Glass and glassware, pressed or blown.	10.9	11.1	11.1	11.1	11.2	11.0	11.1	10.5	11.1	11.2	9.6	10.9	11.0
Primary metal industries	95.4	98.8	98.9	99.0	98.5	98.4	97.2	93.9	91.9	90.1	90.9	93.6	94.1
Blast furnace and basic steel products	42.8	44.3	44.4	44.6	44.5	44.3	44.0	43.2	41.5	38.6	40.0	41.9	42.1
Iron and steel foundries	20.2	20.6	21.0	21.2	20.9	20.9	20.4	19.9	19.3	19.7	19.3	19.2	19.4
Nonferrous rolling and drawing	17.8	18.4	18.1	17.9	17.8	18.0	17.7	17.2	17.4	18.0	17.8	17.8	17.8
Fabricated metal products	136.8	137.0	137.0	137.4	137.9	137.6	137.8	135.5	135.5	137.2	136.0	136.3	136.0
Cutlery, hand tools, and hardware	10.5	11.1	11.0	11.0	10.9	10.5	10.4	10.1	10.2	10.3	10.1	10.3	10.3
Fabricated structural metal products	29.1	28.5	28.3	28.4	28.7	29.2	29.6	29.5	29.7	29.2	29.4	29.4	29.2
Metal forgings and stampings	43.3	43.7	43.8	44.1	44.2	43.7	43.8	42.5	41.3	43.1	43.0	43.1	43.4
Machinery, except electrical	158.7	161.6	160.5	160.7	160.5	160.3	160.3	159.0	158.3	158.1	152.7	156.0	156.1
Construction and related machinery	12.9	13.5	13.2	13.0	13.1	13.0	13.0	12.9	12.8	12.6	12.5	12.3	12.3
Metalworking machinery	41.3	42.0	41.6	41.7	41.7	41.7	41.8	41.3	41.5	41.2	40.9	40.5	40.3
Special industry machinery	17.2	17.4	17.2	17.3	17.1	17.2	17.2	17.6	17.2	17.2	16.9	16.9	16.9
General industrial machinery	28.0	29.2	29.0	28.8	28.7	28.6	28.6	28.1	27.9	27.9	23.7	27.5	27.6
Office and computing machines	13.6	13.5	13.6	13.6	13.6	13.6	13.7	13.9	13.7	13.7	13.6	13.6	13.4
Refrigeration and service machinery	16.5	16.6	16.6	16.6	16.5	16.7	16.6	16.1	16.0	16.3	16.4	16.5	16.7
Electric and electronic equipment	89.8	89.9	88.9	89.0	89.6	90.1	89.6	89.1	90.4	90.1	90.1	90.2	90.2
Electrical industrial apparatus	17.2	17.7	17.6	17.5	17.2	17.8	17.3	17.1	17.1	16.9	16.9	16.9	16.8
Household appliances	17.0	16.6	16.7	16.7	16.9	16.8	16.9	16.8	17.3	17.2	17.3	17.3	17.2
Electric lighting and wiring equipment	17.9	18.1	18.1	18.0	17.9	17.8	17.7	17.8	18.0	17.9	17.8	17.8	18.0
Communication equipment	10.5	10.6	10.6	10.6	10.6	10.5	10.4	10.3	10.5	10.6	10.5	10.5	10.6
Transportation equipment	153.5	156.4	155.6	154.3	154.5	150.5	154.0	153.5	151.1	151.2	152.5	153.8	154.4
Motor vehicles and equipment	98.0	101.7	101.0	99.3	99.3	95.2	98.4	97.5	95.2	95.3	96.7	98.1	98.6
Aircraft and parts	46.2	45.5	45.3	45.6	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.4	46.5
Instruments and related products	23.0	23.3	23.1	23.1	23.3	23.3	23.4	22.3	22.9	23.1	23.0	22.8	23.0
Measuring and controlling devices	12.1	12.3	12.2	12.1	12.3	12.3	12.3	11.5	12.1	12.2	12.2	12.1	12.2
Nondurable Goods[c]	356.1	353.9	353.1	352.8	353.9	355.1	358.2	355.2	359.0	361.4	356.9	356.7	356.7
Food and kindred products	62.6	61.3	60.9	60.7	60.6	61.6	62.6	63.0	66.2	66.6	63.1	62.4	62.7
Meat products	9.6	9.4	9.4	9.4	9.4	9.6	9.8	9.9	9.8	9.7	9.4	9.6	9.6
Dairy products	10.0	9.5	9.5	9.6	9.8	10.0	10.2	10.3	10.2	10.3	10.1	10.1	10.1
Preserved fruits and vegetables	11.0	10.6	10.3	10.3	10.1	10.3	10.4	10.3	13.5	14.1	11.1	10.5	10.6
Bakery products	8.6	8.4	8.4	8.4	8.5	8.6	8.8	8.8	8.7	8.6	8.7	8.7	8.8
Beverages	10.0	9.6	9.6	9.6	9.5	9.8	10.1	10.4	10.4	10.3	10.2	10.2	10.0
Apparel and other textile products	16.3	16.6	16.2	16.2	16.0	16.1	16.0	15.5	16.1	16.5	16.7	16.9	16.4

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.3	37.6	37.4	37.3	37.0	37.1	37.1	36.9	36.8	37.4	37.2	37.5	37.6
Misc. converted paper products	11.8	12.0	12.0	11.9	11.7	11.7	11.6	11.5	11.8	11.9	11.9	11.9	11.9
Paperboard containers and boxes	12.6	12.6	12.6	12.6	12.6	12.6	12.7	12.5	12.4	12.6	12.6	12.8	12.8
Printing and publishing	68.6	67.8	67.6	67.6	68.0	68.1	68.9	68.9	68.9	69.3	69.4	69.4	69.1
Newspapers	19.1	18.6	18.6	18.7	18.7	18.9	19.4	19.4	19.4	19.4	19.5	19.6	19.6
Commercial printing	26.2	25.9	25.8	25.9	26.1	26.2	26.1	26.1	26.3	26.6	26.6	26.5	26.2
Chemicals and allied products	63.1	62.3	62.3	62.5	63.0	63.0	63.5	63.7	63.6	63.6	63.1	63.0	63.3
Industrial inorganic chemicals	10.0	9.9	9.9	9.9	9.9	9.9	9.9	9.8	10.0	10.0	10.0	10.2	10.2
Rubber and misc. plastics products	91.5	91.8	92.2	92.1	92.4	92.3	92.9	90.2	90.2	91.2	90.6	90.9	91.3
Tires and inner tubes	18.1	18.7	18.5	18.3	18.3	18.2	18.2	18.1	17.8	17.7	17.7	17.7	18.0
Miscellaneous plastics products	53.2	52.6	53.3	53.5	53.5	53.6	54.1	52.4	52.4	53.2	52.9	53.3	53.5
NONMANUFACTURING	3366.0	3238.7	3238.8	3264.5	3332.6	3379.5	3392.6	3372.5	3381.0	3422.4	3447.7	3458.0	3463.1
MINING	22.7	24.7	23.8	23.1	22.6	22.5	22.5	22.6	22.3	22.1	22.0	22.1	21.8
Bituminous coal and lignite mining	10.1	10.6	10.3	10.2	10.2	10.2	10.2	10.1	10.0	10.0	9.8	9.9	9.8
Oil and gas extraction	8.0	10.2	9.6	8.8	7.8	7.6	7.5	7.6	7.4	7.2	7.3	7.4	7.4
CONSTRUCTION	160.8	133.8	128.7	133.9	151.3	162.0	168.1	175.3	179.1	180.0	180.3	174.2	163.1
General building contractors	41.1	35.3	34.1	35.2	37.9	40.4	42.3	44.3	44.9	45.3	45.7	45.0	42.9
Heavy construction contractors	20.6	13.4	12.6	13.6	18.9	22.1	23.5	24.5	25.4	25.9	25.3	22.8	18.8
Highway and street construction	9.2	4.2	4.0	4.7	8.0	10.3	11.4	11.7	12.5	12.7	12.3	10.8	8.1
Special trade contractors	99.1	85.2	81.9	85.1	94.5	99.5	102.2	106.4	108.8	108.7	109.3	106.4	101.4
TRANSPORTATION AND PUBLIC UTILITIES	205.5	198.0	197.5	198.9	201.9	203.2	203.7	208.1	209.9	210.8	211.4	211.2	211.5
Railroad transportation	15.7	15.4	15.3	15.3	16.0	16.1	15.9	16.1	16.1	16.1	16.1	15.5	14.9
Transportation, except railroads	97.6	92.5	92.3	93.7	95.8	96.8	97.8	97.8	98.8	100.0	101.1	101.6	102.6
Trucking and warehousing	68.5	65.5	65.2	66.4	67.3	67.7	68.4	68.5	69.2	70.0	70.7	71.0	72.0
Communication, electric, gas services	92.2	90.1	89.9	90.0	90.0	90.2	90.0	94.2	95.0	94.6	94.3	94.2	94.0
Communication	50.7	48.9	48.8	48.8	48.8	48.8	49.0	52.8	52.6	52.5	52.4	52.4	52.3
Electric, gas, and sanitary services	41.5	41.2	41.1	41.2	41.2	41.4	41.0	41.4	42.4	42.1	41.8	41.7	41.7
WHOLESALE TRADE	246.0	242.9	241.9	242.3	244.2	245.6	247.0	247.1	247.9	247.6	248.2	248.9	249.1
Wholesale trade-durable goods	155.9	154.6	154.0	154.3	155.0	155.6	156.2	156.4	156.8	156.5	156.9	157.4	157.6
Motor vehicles & automotive equipment	22.4	22.5	22.3	22.4	22.1	22.3	22.6	22.6	22.7	22.5	22.3	22.4	22.2
Electrical goods	20.6	20.7	20.6	20.6	20.3	20.3	20.3	20.5	20.5	20.6	20.8	21.0	21.2
Machinery, equipment, and supplies	67.3	66.8	66.6	66.5	67.1	67.3	67.4	67.5	67.5	67.4	67.7	67.8	67.8
Wholesale trade-nondurable goods	90.1	88.3	87.9	88.0	89.2	90.0	90.8	90.8	91.1	91.1	91.3	91.5	91.5
Groceries and related products	28.4	27.6	27.5	27.6	27.9	28.2	28.7	28.7	28.8	29.0	29.0	29.1	29.2
RETAIL TRADE	820.5	788.0	778.7	784.8	803.5	817.2	825.3	825.9	832.0	834.9	839.5	850.9	865.1
General merchandise stores	114.8	116.6	110.3	109.1	109.5	110.1	110.9	111.2	112.3	114.3	117.9	124.5	131.3
Department stores	102.7	104.6	98.7	97.5	97.9	98.2	98.8	99.2	100.3	102.2	105.4	111.7	117.7
Food stores	128.4	125.7	125.1	125.0	126.7	128.1	128.8	128.5	128.8	129.2	130.0	131.4	133.4
Automobile dealers and service stations	91.0	87.9	88.2	88.9	90.3	90.9	91.9	92.2	92.6	92.5	92.2	92.1	92.3
Apparel and accessory stores	38.5	38.0	36.7	37.0	37.0	37.5	37.5	37.6	38.5	38.7	39.6	40.9	42.8
Eating and drinking places	288.6	267.5	268.3	273.4	285.2	293.0	297.5	297.4	299.8	299.5	295.3	293.5	293.3

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	231.8	223.4	224.2	225.3	228.1	230.6	233.5	236.1	236.4	235.4	235.4	236.0	237.1
Banking	61.5	60.7	60.8	60.9	61.0	61.2	61.7	62.3	62.3	61.8	61.6	61.7	62.2
Credit agencies other than banks	36.5	34.7	35.0	35.2	35.8	36.3	36.7	37.2	37.4	37.3	37.4	37.6	37.8
Insurance carriers	62.9	61.1	61.5	61.8	62.2	62.5	63.2	63.6	63.7	63.7	63.8	63.8	64.1
Life insurance	23.6	23.2	23.3	23.4	23.4	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.8
Fire, marine, and casualty insurance	28.5	27.9	28.0	28.2	28.4	28.3	28.6	28.8	28.8	28.7	28.7	28.7	28.7
SERVICES	998.8	949.7	956.8	965.7	990.8	1003.4	1012.8	1013.8	1015.5	1021.7	1019.1	1018.7	1017.4
Hotels and other lodging places	33.5	31.2	31.4	31.4	32.6	34.1	35.2	35.5	35.9	34.9	33.6	33.2	32.9
Personal services	54.0	53.4	53.8	54.2	55.0	53.3	53.3	53.1	53.3	53.7	54.7	55.0	55.4
Laundry, cleaning, & garment services	18.1	17.4	17.4	17.6	18.0	18.2	18.3	18.2	18.0	18.1	18.6	18.6	18.5
Business services	191.6	177.7	178.7	180.5	186.8	189.2	191.9	195.3	197.8	199.6	199.9	200.5	201.2
Services to buildings	27.7	26.5	26.7	27.0	27.3	27.7	28.0	28.0	28.4	28.6	28.3	28.2	28.2
Computer and data processing services	17.6	16.7	16.9	16.8	17.0	17.1	17.3	17.8	18.1	18.3	18.4	18.6	18.7
Amusement and recreation services	39.7	27.3	27.8	29.8	37.3	45.4	51.2	52.7	52.5	47.7	37.1	34.2	33.1
Health services	344.0	335.0	335.9	337.2	339.7	341.4	344.5	347.4	347.3	348.6	348.9	350.7	352.0
Nursing and personal care facilities	76.0	73.5	73.8	74.2	74.8	75.5	76.7	77.1	77.2	77.3	77.0	77.2	77.5
Hospitals	169.9	166.2	166.5	166.9	168.3	168.5	169.6	171.4	171.0	171.8	172.0	172.9	173.4
Educational services	58.5	61.3	64.4	64.1	63.6	60.7	54.7	46.7	45.4	55.5	61.7	63.1	61.2
Colleges and universities	31.5	33.6	36.4	35.9	35.4	32.3	27.4	23.0	22.2	29.3	34.0	35.1	33.3
GOVERNMENT	679.8	678.0	687.3	690.5	690.1	694.9	679.8	643.5	637.9	670.0	691.8	696.1	698.0
Federal government	93.8	93.2	93.1	93.7	93.7	94.0	94.3	94.6	94.5	93.8	93.3	93.4	94.0
State government	148.1	147.5	152.0	153.0	154.3	153.7	145.9	132.0	131.4	141.4	154.2	155.1	156.5
State government education[d]	76.3	78.2	82.4	83.2	82.4	82.4	72.3	57.9	56.3	68.8	82.8	84.0	84.6
State government, except education	71.8	69.3	69.6	69.8	72.0	71.3	73.6	74.1	75.1	72.6	71.3	71.2	71.9
Local government	437.9	437.3	442.2	443.8	442.1	447.1	439.6	416.9	412.0	434.8	444.3	447.6	447.5
Local government education	251.8	254.7	260.5	261.6	259.2	261.6	248.5	221.2	218.8	248.1	260.0	263.5	263.7
Local government, except education	186.2	182.6	181.6	182.2	182.9	185.6	191.1	195.8	193.2	186.7	184.3	184.0	183.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-0 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	4372.9	4237.6	4238.9	4282.7	4347.3	4405.8	4413.1	4379.5	4383.8	4427.7	4444.4	4454.2	4459.4
MANUFACTURING	1124.2	1122.7	1121.0	1124.2	1124.1	1128.9	1131.3	1124.6	1123.0	1124.7	1121.4	1122.8	1122.9
Durable Goods[b]	768.7	771.2	769.8	772.6	771.4	774.1	774.9	768.9	763.1	763.2	764.0	765.5	766.0
Lumber and wood products	17.0	15.3	15.2	15.6	16.6	17.1	17.5	17.5	17.9	17.7	17.8	18.0	17.7
Furniture and fixtures	14.7	15.2	15.0	15.2	14.7	14.9	14.7	14.6	14.8	14.5	14.5	14.3	14.3
Stone, clay, and glass products	50.5	49.7	49.1	49.5	50.0	50.6	51.0	50.5	51.5	51.4	51.2	50.8	50.1
Glass and glassware, pressed or blown.	11.5	12.4	12.3	12.1	11.8	11.6	11.4	10.6	11.2	11.2	11.2	11.1	11.1
Primary metal industries	101.8	105.0	105.1	105.7	104.6	104.7	103.9	101.1	98.1	97.8	97.6	98.9	99.3
Blast furnace and basic steel products	45.8	47.6	48.2	48.9	48.2	48.3	47.8	45.8	42.6	41.9	42.2	44.0	44.4
Iron and steel foundries	21.3	22.0	21.7	21.6	21.3	21.6	21.5	21.2	21.3	21.2	20.8	20.6	20.7
Nonferrous rolling and drawing	18.7	18.9	18.7	18.8	18.8	18.6	18.6	18.7	18.7	19.0	18.7	18.5	18.7
Fabricated metal products	139.5	138.8	138.7	138.8	139.5	140.9	140.8	139.5	139.1	140.2	140.0	139.3	138.2
Cutlery, hand tools, and hardware	11.3	11.7	11.7	11.6	11.4	11.5	11.4	11.1	11.1	111.2	11.2	11.2	11.1
Fabricated structural metal products	29.1	28.1	27.8	28.2	28.5	29.3	29.4	29.8	29.9	30.0	29.8	29.4	29.0
Metal forgings and stampings	44.4	44.8	44.6	44.6	44.9	45.2	45.0	43.7	42.9	44.0	44.4	44.3	43.9
Machinery, except electrical	166.1	169.3	168.5	168.9	168.5	167.4	167.6	165.9	163.9	164.0	163.4	162.7	162.5
Construction and related machinery	15.2	16.0	16.0	16.0	15.8	15.4	15.4	15.3	14.9	14.6	14.3	14.2	14.0
Metalworking machinery	42.7	42.7	42.7	42.9	42.8	42.7	42.7	42.9	42.7	42.6	42.6	42.3	42.3
Special industry machinery	18.0	18.5	18.3	18.3	18.2	18.1	18.2	17.9	17.7	18.0	17.8	17.7	17.7
General industrial machinery	30.5	32.0	31.5	31.2	30.8	30.6	30.6	30.4	30.1	30.1	29.6	29.3	29.3
Office and computing machines	13.6	13.7	13.6	13.7	13.7	13.7	13.9	13.8	13.6	13.4	13.4	13.5	13.5
Refrigeration and service machinery	17.0	17.1	17.3	17.4	17.5	17.3	17.3	16.9	16.3	16.6	16.6	16.6	16.7
Electric and electronic equipment	90.7	93.4	92.9	92.6	91.3	90.6	90.4	90.0	90.3	90.1	89.1	88.2	89.2
Electrical industrial apparatus	18.2	18.6	18.6	18.5	18.4	18.3	18.2	18.0	18.0	18.0	17.8	17.8	17.7
Household appliances	16.7	17.1	17.0	17.0	16.4	16.4	16.6	16.5	17.0	16.9	16.2	16.4	16.4
Electric lighting and wiring equipment	18.1	18.6	18.6	18.4	18.2	17.9	17.8	17.8	17.9	17.9	17.9	17.9	17.9
Communication equipment	10.9	11.5	11.3	11.3	11.1	10.9	10.9	10.8	10.7	10.8	10.6	10.7	10.7
Transportation equipment	151.2	147.7	148.5	149.6	149.3	150.6	151.9	152.0	149.4	149.9	152.9	156.0	157.2
Motor vehicles and equipment	99.3	97.7	98.4	99.0	98.2	99.3	99.8	99.9	96.7	96.2	101.7	102.0	102.8
Aircraft and parts	43.0	41.0	41.0	41.4	41.8	42.3	43.0	42.9	43.8	44.1	44.4	44.9	45.3
Instruments and related products	23.1	23.1	23.0	22.9	22.9	22.9	22.9	23.1	23.2	22.3	23.3	23.4	23.5
Measuring and controlling devices	12.4	12.6	12.5	12.3	12.3	12.2	12.2	12.3	12.4	12.4	12.4	12.5	12.5
Nondurable Goods[c]	355.5	351.5	351.2	351.6	352.6	354.8	356.4	355.7	359.9	357.3	357.3	356.9	361.1
Food and kindred products	62.9	61.5	60.7	61.1	61.2	61.9	62.8	63.1	65.5	63.8	63.0	63.2	66.3
Meat products	10.1	10.2	10.1	10.2	9.6	9.9	10.3	9.9	10.2	10.1	10.2	10.0	10.1
Dairy products	9.7	9.4	9.4	9.5	9.7	9.8	10.0	10.0	9.9	9.7	9.6	9.6	9.8
Preserved fruits and vegetables	11.0	10.6	10.2	10.3	10.3	10.3	10.4	10.7	12.7	11.5	10.8	10.7	13.9
Bakery products	8.7	8.3	8.4	8.4	8.6	8.6	8.8	9.0	8.9	8.8	8.8	8.9	8.7
Beverages	9.9	9.6	9.6	9.7	9.8	10.0	10.2	10.1	10.2	9.8	9.6	9.7	10.0
Apparel and other textile products	16.9	16.7	16.8	16.9	16.8	16.9	16.8	16.7	16.9	17.2	17.1	16.9	17.0

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	37.0	36.8	37.0	36.9	36.9	36.9	36.8	36.9	37.3	37.3	37.2	37.3	37.4
Misc. converted paper products	12.0	12.1	12.0	12.0	12.1	12.1	11.9	11.9	12.3	12.2	11.9	11.9	12.0
Paperboard containers and boxes	12.3	12.2	12.2	12.1	12.1	12.2	12.2	12.2	12.3	12.4	12.4	12.4	12.4
Printing and publishing	66.8	65.7	65.8	65.8	66.4	66.8	66.7	66.6	66.8	67.0	67.5	68.2	68.5
Newspapers	18.5	18.2	18.2	18.3	18.4	18.5	18.5	18.5	18.5	18.5	18.5	18.7	18.8
Commercial printing	25.1	24.7	24.5	24.7	25.0	25.0	24.9	24.8	25.1	25.4	25.8	25.9	26.1
Chemicals and allied products	62.8	62.3	62.2	62.4	63.0	63.2	63.3	63.5	63.9	63.3	61.7	62.3	62.3
Industrial inorganic chemicals	10.4	10.7	10.7	10.7	10.8	10.7	10.4	10.2	10.6	10.2	9.4	10.0	10.1
Rubber and misc. plastics products	91.4	91.3	91.4	91.1	90.9	91.2	91.7	91.0	91.1	92.0	92.1	91.9	91.6
Tires and inner tubes	19.9	20.5	20.6	20.5	20.5	20.4	20.2	19.7	19.5	19.3	19.3	19.1	18.9
Miscellaneous plastics products	51.2	50.5	50.4	50.3	50.2	50.6	51.0	51.0	51.4	52.3	52.4	52.1	52.2
NONMANUFACTURING	3248.6	3114.9	3117.9	3158.6	3223.2	3276.9	3281.8	3254.9	3260.7	3303.5	3323.1	3331.4	3336.5
MINING	26.1	26.5	25.8	26.0	26.2	26.4	26.5	26.5	25.9	26.0	25.8	25.8	25.4
Bituminous coal and lignite mining	10.8	10.8	10.6	10.9	11.1	11.0	10.9	10.9	10.6	10.7	10.7	10.6	10.5
Oil and gas extraction	10.8	11.8	11.5	11.1	10.7	10.7	10.8	10.8	10.7	10.5	10.4	10.5	10.6
CONSTRUCTION	154.0	127.5	120.8	130.0	145.2	156.4	161.5	168.4	172.1	172.3	172.6	165.3	156.2
General building contractors	38.3	33.0	30.9	33.3	36.3	38.5	40.0	41.7	42.0	41.6	42.2	41.5	39.3
Heavy construction contractors	20.4	13.6	12.4	14.0	18.2	22.2	23.7	24.9	25.0	25.2	24.8	21.5	18.9
Highway and street construction	8.6	4.0	3.7	4.6	7.3	10.0	10.9	11.4	11.8	11.8	11.3	9.4	7.2
Special trade contractors	95.3	80.9	77.6	82.7	90.7	95.8	97.8	101.9	105.1	105.5	105.6	102.3	97.9
TRANSPORTATION AND PUBLIC UTILITIES	202.7	197.8	198.2	199.3	201.7	203.5	204.9	204.0	204.3	204.9	204.9	204.6	204.5
Railroad transportation	17.0	17.3	16.9	16.5	17.2	17.6	17.6	17.3	17.4	17.2	17.0	16.6	16.0
Transportation, except railroads	95.4	91.2	91.9	93.3	94.7	95.7	96.5	95.8	95.9	97.1	97.4	97.6	98.2
Trucking and warehousing	68.5	66.1	66.6	67.6	67.8	68.4	68.9	68.8	68.6	69.3	69.5	69.7	70.4
Communication, electric, gas services	90.2	89.4	89.4	89.5	89.8	90.2	90.8	90.8	91.0	90.6	90.5	90.4	90.3
Communication	49.5	49.2	49.3	49.4	49.6	49.7	49.9	49.6	49.7	49.6	49.5	49.4	49.0
Electric, gas, and sanitary services	40.7	40.1	40.0	40.1	40.2	40.4	40.9	41.2	41.3	41.0	41.1	41.1	41.2
WHOLESALE TRADE	243.7	240.4	240.3	242.0	243.4	245.2	245.7	244.6	244.7	244.3	244.7	244.8	244.8
Wholesale trade-durable goods	154.9	152.5	152.4	153.8	154.8	155.9	156.1	155.6	155.6	154.9	155.6	155.7	155.7
Motor vehicles & automotive equipment	22.7	22.9	22.9	23.5	23.3	23.2	23.1	22.8	22.5	22.1	21.9	22.0	21.9
Electrical goods	20.6	20.1	20.1	20.1	20.3	20.5	20.7	20.5	20.6	20.6	20.9	21.0	21.2
Machinery, equipment, and supplies	66.0	64.3	64.5	64.9	65.4	66.0	66.3	66.4	66.6	66.5	67.1	67.2	67.4
Wholesale trade-nondurable goods	88.9	87.9	87.8	88.2	88.6	89.3	89.6	89.1	89.1	89.4	89.1	89.2	89.2
Groceries and related products	27.7	27.3	27.2	27.4	27.5	27.7	27.9	27.8	27.9	28.0	27.8	27.8	27.9
RETAIL TRADE	787.9	752.9	740.1	751.5	772.2	789.9	795.7	795.0	800.8	802.4	805.6	817.7	831.2
General merchandise stores	114.7	116.2	108.8	109.0	109.7	111.5	111.6	110.7	112.1	113.9	117.2	124.4	130.7
Department stores	104.0	106.8	99.6	99.7	100.0	101.4	101.3	100.2	101.2	102.6	105.3	112.1	117.9
Food stores	125.4	121.1	120.8	121.5	123.2	125.1	125.6	126.7	127.0	127.3	127.3	128.8	130.9
Automobile dealers and service stations	86.6	82.8	82.7	83.9	86.0	87.2	88.1	88.1	88.3	88.3	88.1	88.2	88.0
Apparel and accessory stores	37.1	35.9	34.8	35.2	35.7	36.3	36.4	36.2	37.1	37.3	38.3	39.6	41.9
Eating and drinking places	274.2	253.7	252.5	259.3	271.2	280.2	283.5	283.4	285.6	284.7	280.0	278.6	278.1

See footnotes at end of table.

3.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO, 1985[a] (Continued)

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	219.3	212.7	213.2	214.1	215.5	217.8	220.4	222.3	223.1	222.7	222.7	223.4	224.3
Banking	59.5	58.3	58.2	58.3	58.7	59.0	59.8	60.4	60.4	60.3	60.1	60.2	60.5
Credit agencies other than banks	34.2	33.6	33.5	33.9	33.6	33.8	34.0	34.4	34.5	34.4	34.8	35.0	35.1
Insurance carriers	59.2	57.2	57.7	57.8	58.2	58.7	59.3	59.5	60.0	60.3	60.2	60.7	61.3
Life insurance	22.5	21.6	21.8	21.9	22.0	22.2	22.5	22.6	22.9	23.1	23.0	23.3	23.6
Fire, marine, and casualty insurance..	27.7	27.1	27.3	27.3	27.4	27.6	27.8	28.0	28.0	28.0	27.9	28.0	28.1
SERVICES	949.5	903.6	910.0	920.0	943.5	958.0	963.8	963.5	965.8	972.7	967.7	964.1	961.7
Hotels and other lodging places	32.5	29.5	29.7	30.1	31.8	33.3	34.4	34.7	35.3	34.3	32.8	32.5	32.2
Personal services	51.7	50.6	50.9	51.5	53.4	52.5	51.6	51.0	51.0	51.7	51.7	52.0	52.4
Laundry, cleaning, & garment services.	17.6	17.1	17.0	17.2	17.6	18.0	17.9	17.6	17.6	17.6	17.8	18.0	17.8
Business services	172.7	160.6	161.7	164.4	168.8	171.3	173.0	175.4	177.8	179.5	180.3	179.6	179.6
Services to buildings	25.9	24.6	25.0	25.4	25.5	26.1	26.2	26.2	26.7	26.9	26.3	26.1	26.1
Computer and data processing services.	15.8	14.9	14.9	14.9	15.4	15.4	15.6	16.1	16.3	16.3	16.4	16.5	16.6
Amusement and recreation services	39.0	28.1	28.0	29.7	36.6	44.8	50.0	51.4	50.7	47.7	36.6	32.7	31.5
Health services	329.9	323.4	323.4	324.2	325.9	327.8	330.3	332.0	333.1	333.5	334.3	334.9	336.1
Nursing and personal care facilities..	71.7	68.7	68.8	69.0	70.0	70.8	71.6	72.6	73.1	73.5	73.7	74.3	74.5
Hospitals	165.9	165.3	165.2	165.1	165.2	165.5	166.4	166.8	166.5	166.3	166.0	166.0	166.2
Educational services	59.0	59.8	63.7	63.4	62.9	60.2	54.2	48.9	47.6	57.7	63.1	64.5	62.5
Colleges and universities	32.3	33.1	36.5	36.1	35.6	32.8	27.5	25.0	23.9	31.3	35.4	36.5	34.5
GOVERNMENT	665.2	653.5	669.6	675.7	675.4	679.7	663.3	630.6	624.1	658.2	679.0	685.6	688.3
Federal government	92.1	89.5	89.5	89.6	91.7	91.6	92.6	93.8	93.9	93.3	92.5	93.3	94.0
State government	142.9	136.4	147.6	149.9	149.4	148.4	139.7	127.0	125.8	136.8	149.9	151.3	152.6
State government education[d]	73.2	67.9	79.0	81.0	79.3	79.2	68.4	55.5	54.5	66.8	81.1	82.6	83.0
State government, except education ...	69.7	68.5	68.6	68.9	70.1	69.2	71.3	71.5	71.3	70.0	68.8	68.7	69.6
Local government	430.3	427.7	432.5	436.3	434.4	439.7	430.9	409.8	404.4	428.1	436.6	441.0	441.7
Local government education	245.5	246.3	252.8	255.9	253.5	256.7	240.5	215.3	212.1	242.4	253.4	258.1	258.7
Local government, except education ...	184.8	181.3	179.6	180.4	180.8	183.0	190.4	194.5	192.3	185.8	183.2	182.9	183.0

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-0 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

1.

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.56	$11.57	$11.58	$11.57	$11.52	$11.49	$11.50	$11.49	$11.49	$11.52	$11.54	$11.67	$11.79
Durable Goods[b]	11.98	12.04	12.04	12.03	11.96	11.90	11.90	11.86	11.90	11.93	11.93	12.07	12.21
Lumber and wood products	7.23	7.09	7.14	7.23	7.20	7.18	7.25	7.18	7.35	7.33	7.31	7.26	7.23
Furniture and fixtures	8.37	8.33	8.35	8.31	8.31	8.32	8.29	8.35	8.31	8.44	8.47	8.47	8.53
Stone, clay, and glass products	10.72	10.69	10.58	10.73	10.65	10.73	10.74	10.76	10.84	10.76	10.73	10.73	10.73
Glass and glassware, pressed or blown.	11.44	11.45	11.30	11.24	11.31	11.43	11.42	11.48	11.50	11.68	11.69	11.35	11.48
Primary metal industries	13.30	13.26	13.33	13.24	13.23	13.20	13.21	13.27	13.36	13.20	13.29	13.45	13.52
Blast furnace and basic steel products	13.62	13.32	13.53	13.42	13.43	13.45	13.48	13.77	13.75	13.51	13.75	13.94	14.06
Iron and steel foundries	13.80	14.15	14.00	13.98	13.83	13.71	13.61	13.30	13.72	13.62	13.69	13.95	13.97
Nonferrous rolling and drawing	13.86	14.01	13.84	13.74	13.80	13.75	13.84	13.99	14.01	13.93	13.84	13.79	13.73
Fabricated metal products	11.70	11.78	11.73	11.83	11.73	11.58	11.68	11.50	11.54	11.66	11.60	11.78	11.91
Cutlery, hand tools, and hardware	11.99	12.28	12.20	12.34	12.08	11.85	11.91	11.70	11.75	11.80	11.87	11.91	12.01
Fabricated structural metal products.	10.27	10.04	10.02	10.21	10.19	10.12	10.21	10.16	10.26	10.47	10.36	10.65	10.55
Metal forgings and stampings	14.31	14.38	14.36	14.47	14.32	14.21	14.34	14.07	14.31	14.22	14.18	14.33	14.53
Machinery, except electrical	11.47	11.35	11.35	11.43	11.40	11.43	11.42	11.46	11.50	11.53	11.49	11.53	11.77
Construction and related machinery	10.14	9.99	10.04	9.99	10.03	10.13	10.06	10.22	10.26	10.25	10.29	10.18	10.22
Metalworking machinery	10.99	10.79	10.88	10.94	10.97	10.97	10.93	11.00	11.00	11.05	11.04	11.12	11.22
Special industry machinery	10.85	10.75	10.68	10.72	10.71	10.81	10.79	10.91	10.91	10.88	10.95	11.03	11.16
General industrial machinery	11.95	11.74	11.84	11.99	11.92	11.94	11.87	11.90	11.80	12.02	12.15	12.10	12.21
Office and computing machines	9.41	9.07	9.30	9.28	9.37	9.30	9.31	9.30	9.62	9.55	9.49	9.59	9.69
Refrigeration and service machinery	13.47	13.60	13.35	13.41	13.07	13.20	13.25	13.61	13.47	13.64	13.38	13.28	14.30
Electric and electronic equipment	11.00	11.00	10.98	11.00	10.99	10.98	10.91	10.85	10.90	10.99	10.98	11.09	11.34
Electrical industrial apparatus	10.78	10.84	10.94	11.01	10.95	10.86	10.68	10.72	10.51	10.68	10.74	10.74	10.72
Household appliances	11.44	11.43	11.31	11.37	11.45	11.35	11.33	11.29	11.56	11.48	11.35	11.39	11.88
Electric lighting and wiring equipment	11.20	10.90	11.01	11.01	11.09	11.14	11.07	10.76	11.05	11.25	11.30	11.58	12.12
Communication equipment	11.78	11.99	11.87	11.84	11.82	12.06	11.74	11.40	11.64	11.68	11.72	11.79	11.74
Transportation equipment	14.30	14.37	14.43	14.39	14.28	14.20	14.17	14.10	14.17	14.27	14.27	14.43	14.46
Motor vehicles and equipment	14.84	15.02	15.08	15.04	14.90	14.79	14.71	14.58	14.64	14.72	14.76	14.88	14.90
Aircraft and parts	13.02	12.59	12.78	12.72	12.74	12.75	12.80	13.01	13.12	13.30	13.23	13.61	13.56
Instruments and related products	9.00	8.97	8.95	9.04	8.96	8.98	8.87	8.93	8.99	8.98	8.95	9.05	9.30
Measuring and controlling devices	9.05	9.02	9.04	9.14	9.04	9.09	8.98	9.00	9.06	8.99	8.88	9.04	9.35
Nondurable Goods[c]	10.57	10.42	10.47	10.47	10.43	10.53	10.57	10.61	10.56	10.59	10.66	10.70	10.78
Food and kindred products	10.02	9.91	9.95	9.86	9.83	10.04	10.07	10.19	9.86	9.89	10.16	10.14	10.35
Meat products	9.20	9.15	8.92	9.06	9.01	9.23	9.20	9.71	9.14	9.23	9.21	9.22	9.24
Dairy products	10.52	10.15	10.35	10.40	10.48	10.50	10.48	10.49	10.65	10.64	10.69	10.67	10.79
Preserved fruits and vegetables	9.51	9.56	9.62	9.42	9.28	9.48	9.59	9.48	9.13	9.03	9.81	9.89	10.17
Bakery products	11.51	11.32	11.31	11.35	11.52	11.40	11.44	11.48	11.47	11.69	11.67	11.65	11.74
Beverages	10.12	10.17	10.01	9.90	9.78	10.22	10.30	10.38	10.18	10.32	10.09	9.99	9.98
Apparel and other textile products	7.21	7.10	7.23	7.25	7.22	7.16	7.18	7.34	7.26	7.26	7.16	7.14	7.22

See footnotes at end of table.

2.

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$10.95	$10.79	$10.82	$10.75	$10.74	$10.86	$10.89	$11.05	$10.96	$11.07	$11.13	$11.14	$11.23
Misc. converted paper products	10.14	9.97	10.05	9.79	9.88	10.10	10.14	10.33	10.24	10.27	10.26	10.29	10.40
Paperboard containers and boxes	9.82	9.50	9.60	9.68	9.62	9.79	9.80	9.89	9.84	9.99	9.96	10.04	10.10
Printing and publishing	10.64	10.45	10.46	10.56	10.47	10.58	10.60	10.62	10.67	10.73	10.77	10.87	10.90
Newspapers	10.15	9.83	9.86	9.97	9.92	10.20	10.17	10.30	10.18	10.22	10.34	10.30	10.44
Commercial printing	10.31	10.19	10.15	10.27	10.09	10.15	10.22	10.28	10.43	10.41	10.43	10.58	10.44
Chemicals and allied products	12.21	12.01	12.09	12.12	12.17	12.20	12.28	12.09	12.23	12.28	12.25	12.36	12.42
Industrial inorganic chemicals	13.22	12.92	13.00	12.98	13.01	13.35	13.33	13.32	13.37	13.46	13.37	13.28	13.27
Rubber and misc. plastics products	10.28	10.23	10.22	10.20	10.13	10.24	10.27	10.32	10.37	10.36	10.38	10.38	10.33
Tires and inner tubes	13.86	13.65	13.70	13.63	13.72	13.80	14.00	14.01	14.15	13.84	14.06	14.00	13.75
Miscellaneous plastics products	9.97	9.91	9.91	9.91	9.78	9.92	9.94	9.95	10.01	10.07	10.08	10.09	10.07
MINING	11.95	11.86	11.80	11.73	11.86	11.91	11.82	11.77	12.05	12.08	11.96	12.16	12.43
Bituminous coal and lignite mining	14.89	14.90	14.73	14.60	14.71	14.77	14.68	14.56	14.99	15.07	15.01	15.29	15.43
CONSTRUCTION	14.97	15.60	15.38	15.25	14.92	15.10	14.90	14.77	14.97	14.87	14.82	14.81	14.64
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.13	12.82	12.82	13.00	12.93	13.00	13.12	13.13	13.12	13.31	13.41	13.38	13.44
Communication	13.04	12.72	12.74	12.95	12.82	12.86	13.07	13.10	12.96	13.17	13.34	13.28	13.38
Electric, gas, and sanitary services	13.24	12.94	12.92	13.06	13.07	13.18	13.17	13.17	13.32	13.48	13.50	13.50	13.52
WHOLESALE TRADE	9.30	9.15	9.20	9.23	9.25	9.29	9.34	9.31	9.31	9.35	9.38	9.37	9.45
Wholesale trade-durable goods	9.17	9.01	9.03	9.08	9.12	9.16	9.24	9.19	9.18	9.24	9.23	9.21	9.30
Wholesale trade-nondurable goods	9.54	9.40	9.51	9.49	9.48	9.52	9.52	9.51	9.54	9.55	9.64	9.64	9.69
RETAIL TRADE[d]	5.48	5.42	5.47	5.46	5.44	5.44	5.44	5.46	5.43	5.53	5.54	5.52	5.57
General merchandise stores	6.02	5.88	5.98	6.00	6.05	6.12	6.11	6.07	6.05	6.09	6.07	6.01	5.84
Department stores	6.17	6.01	6.13	6.15	6.20	6.27	6.26	6.22	6.19	6.23	6.22	6.16	6.01
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.51	9.29	9.33	9.37	9.42	9.45	9.51	9.52	9.57	9.63	9.67	9.68	9.69

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-0 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.1	42.2	42.2	42.2	41.8	41.8	41.9	41.4	41.9	42.3	41.9	42.6	43.1
Durable Goods[b]	42.4	42.5	42.6	42.6	42.2	42.0	42.1	41.4	42.1	42.5	42.1	42.9	43.5
Lumber and wood products	40.6	39.9	39.4	39.9	39.7	40.2	40.8	41.4	41.6	41.2	41.4	41.0	40.4
Furniture and fixtures	40.9	39.4	40.6	41.5	41.5	40.7	40.9	39.7	40.5	41.3	41.2	41.3	42.1
Stone, clay, and glass products	41.4	40.9	41.1	41.6	41.7	41.6	41.3	41.1	41.5	41.6	41.7	41.2	41.1
Glass and glassware, pressed or blown	41.6	40.7	41.2	42.3	42.2	42.2	41.5	40.9	41.1	42.1	43.3	41.2	40.6
Primary metal industries	42.1	41.9	42.1	41.6	41.3	41.5	41.4	41.3	42.4	42.4	42.4	43.4	44.1
Blast furnace and basic steel products	41.3	39.9	40.7	40.3	40.0	40.3	40.2	41.5	42.2	41.5	42.2	42.8	44.2
Iron and steel foundries	43.6	43.9	44.3	43.7	42.6	42.8	42.9	40.8	43.6	44.1	43.5	45.2	45.5
Nonferrous rolling and drawing	41.1	42.7	41.9	40.9	41.9	40.9	40.3	40.0	40.9	41.2	40.5	41.4	41.0
Fabricated metal products	42.3	42.5	42.3	42.8	42.2	42.0	42.3	41.1	42.2	42.4	42.1	42.7	43.3
Cutlery, hand tools, and hardware	40.0	41.3	40.5	41.2	39.3	40.0	39.7	38.6	39.3	38.9	39.6	40.9	40.3
Fabricated structural metal products	42.8	42.2	41.3	42.7	42.3	42.8	43.0	42.3	44.2	43.4	42.6	43.0	43.1
Metal forgings and stampings	43.9	44.2	44.4	44.5	44.0	43.3	43.8	41.8	43.1	44.2	43.6	44.6	45.7
Machinery, except electrical	42.3	42.3	42.6	42.8	42.3	42.1	42.3	41.3	41.9	42.1	42.0	42.7	43.4
Construction and related machinery	40.3	40.5	40.3	40.0	39.7	39.5	39.7	39.1	40.3	40.7	41.0	41.4	41.8
Metalworking machinery	42.5	42.3	42.5	43.3	42.7	42.5	42.6	41.9	41.7	42.4	42.1	42.8	43.7
Special industry machinery	42.3	41.7	41.8	42.1	42.1	42.9	43.5	41.8	42.0	42.2	41.8	42.9	43.1
General industrial machinery	42.1	41.9	42.6	42.6	42.0	42.0	42.3	41.5	41.1	41.7	42.3	42.6	43.1
Office and computing machines	42.6	41.3	42.7	42.5	42.3	42.6	42.7	41.8	43.6	41.7	42.1	43.2	44.5
Refrigeration and service machinery	43.1	44.9	44.1	43.6	42.1	42.7	43.2	41.9	42.1	44.2	42.9	42.8	43.0
Electric and electronic equipment	41.8	41.3	41.9	41.8	41.2	41.1	41.3	41.3	41.5	42.3	41.6	42.5	43.2
Electrical industrial apparatus	40.7	40.9	40.7	41.0	40.7	40.3	40.7	40.8	40.1	40.9	40.7	41.5	40.1
Household appliances	41.9	41.5	41.6	40.6	41.1	40.1	40.8	41.5	42.4	43.3	41.5	43.3	45.0
Electric lighting and wiring equipment	41.5	39.1	41.6	41.4	42.2	41.6	41.8	39.6	40.8	42.0	41.8	42.0	43.9
Communication equipment	41.7	42.4	41.7	41.7	41.6	42.8	41.3	40.6	41.3	42.2	40.4	42.3	41.6
Transportation equipment	44.2	45.2	45.2	44.8	44.3	43.7	43.5	42.6	43.5	44.1	42.8	44.8	45.4
Motor vehicles and equipment	44.2	45.8	45.4	45.1	44.3	43.9	43.9	42.5	43.3	43.9	42.3	44.4	45.3
Aircraft and parts	44.7	43.4	44.9	44.4	45.2	44.3	44.2	44.2	44.8	45.2	44.2	45.9	46.0
Instruments and related products	39.9	39.9	39.3	40.1	39.1	39.8	39.7	39.9	38.9	39.9	39.7	40.3	42.2
Measuring and controlling devices	38.3	38.5	37.9	38.6	37.5	38.6	38.5	39.0	36.6	38.5	37.9	38.5	39.5
Nondurable Goods[c]	41.6	41.7	41.3	41.4	40.9	41.3	41.6	41.3	41.6	41.9	41.7	42.0	42.2
Food and kindred products	41.6	40.9	40.5	40.1	40.6	41.8	41.5	42.3	42.9	42.5	42.0	41.8	42.2
Meat products	40.8	40.0	39.0	40.1	40.0	42.7	41.2	41.5	42.0	40.5	40.4	41.2	40.5
Dairy products	42.8	42.1	42.1	42.4	42.8	42.8	43.0	44.3	43.2	42.3	42.3	43.1	43.5
Preserved fruits and vegetables	41.4	40.7	40.6	39.4	39.8	40.7	40.1	40.6	45.0	43.5	42.0	40.7	41.5
Bakery products	39.2	38.4	38.1	37.5	38.3	38.3	39.9	41.1	40.0	39.3	39.9	40.2	39.4
Beverages	41.4	40.9	38.8	39.4	41.8	42.1	41.7	42.2	41.8	42.9	42.1	41.4	42.1
Apparel and other textile products	37.4	37.7	37.0	37.7	37.7	36.9	37.2	36.9	37.2	37.3	37.9	37.6	37.7

See footnotes at end of table.

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	44.5	44.6	44.8	44.0	44.0	44.1	44.2	44.9	44.1	45.1	44.5	44.3	44.8
Misc. converted paper products	44.6	44.2	44.8	44.1	43.6	44.4	44.6	45.1	44.9	45.7	44.9	44.2	45.0
Paperboard containers and boxes	42.4	42.5	42.7	41.6	42.5	42.0	42.1	41.9	41.9	43.6	42.4	43.1	43.0
Printing and publishing	38.6	38.6	38.3	38.7	38.1	38.5	38.0	38.3	38.5	38.9	38.9	39.5	39.4
Newspapers	34.3	33.5	33.0	33.4	33.8	35.0	34.5	33.9	34.2	34.9	34.6	35.1	36.1
Commercial printing	39.8	39.9	39.9	40.2	39.4	39.2	38.2	39.1	39.9	40.3	40.5	41.0	39.7
Chemicals and allied products	42.1	42.3	41.9	42.5	41.4	41.8	42.4	41.6	41.7	42.2	41.8	42.2	43.0
Industrial inorganic chemicals	41.7	42.8	41.7	41.2	40.6	41.1	42.3	41.3	41.6	42.2	41.2	41.8	42.2
Rubber and misc. plastics products	42.7	43.3	42.9	43.0	41.8	42.3	43.2	41.8	42.3	42.6	42.7	43.1	43.0
Tires and inner tubes	45.7	47.0	46.0	45.7	45.8	45.3	46.7	45.2	46.7	45.4	45.2	45.3	44.5
Miscellaneous plastics products	42.5	42.8	42.8	43.0	41.4	42.0	42.9	41.5	41.9	42.3	42.5	43.2	43.1
MINING	43.6	44.5	43.5	43.3	43.1	43.0	43.5	43.5	43.5	44.6	43.2	43.5	44.4
Bituminous coal and lignite mining	41.6	42.7	42.3	42.1	41.6	41.7	41.4	40.6	42.1	42.2	39.8	40.8	42.0
CONSTRUCTION	38.7	38.6	37.2	37.7	38.9	38.9	39.0	37.9	39.8	39.6	39.7	38.2	38.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.9	40.3	40.2	40.7	40.5	40.5	41.0	41.4	40.9	41.3	41.2	41.2	41.2
Communication	40.4	39.5	39.5	40.1	39.8	39.9	40.7	41.3	40.5	41.0	40.9	40.8	41.1
Electric, gas, and sanitary services	41.4	41.3	41.0	41.5	41.3	41.2	41.3	41.6	41.4	41.6	41.6	41.6	41.4
WHOLESALE TRADE	39.4	39.1	38.8	39.1	39.5	39.4	39.3	39.6	39.4	39.4	39.4	39.7	39.6
Wholesale trade-durable goods	39.5	39.6	39.2	39.5	39.7	39.5	39.5	39.6	39.5	39.7	39.5	39.6	39.6
Wholesale trade-nondurable goods	39.0	38.3	38.0	38.3	39.2	39.2	39.1	39.5	39.1	38.9	39.1	39.7	39.6
RETAIL TRADE	28.7	28.3	28.1	28.2	28.5	28.8	29.1	29.4	29.3	28.8	28.6	28.5	29.1
General merchandise stores	29.6	28.2	28.1	28.3	29.6	29.7	30.3	31.0	30.4	30.0	29.6	29.1	31.1
Department stores	29.7	28.2	28.1	28.3	29.7	29.8	30.4	31.1	30.5	30.1	29.6	29.1	31.1
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.5	33.7	33.5	33.4	33.4	33.4	33.4	33.7	33.6	33.7	33.3	33.1	33.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-0 (1986)

1.

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$486.68	$488.25	$488.68	$488.25	$481.54	$480.28	$481.85	$475.69	$481.43	$487.30	$483.53	$497.14	$508.15
Durable Goods[b]	507.95	511.70	512.90	512.48	504.71	499.80	500.99	491.00	500.99	507.03	502.25	517.80	531.14
Lumber and wood products	293.54	282.89	281.32	288.48	285.84	288.64	295.80	297.25	305.76	302.00	302.63	297.66	292.09
Furniture and fixtures	342.33	328.20	339.01	344.87	344.87	338.62	339.06	331.50	336.56	348.57	348.96	349.81	359.11
Stone, clay, and glass products	443.81	437.22	434.84	446.37	444.11	446.37	443.56	442.24	449.86	447.62	447.44	442.08	441.00
Glass and glassware, pressed or blown	475.90	466.02	465.56	475.45	477.28	482.35	473.93	469.53	472.65	491.73	506.18	467.62	466.09
Primary metal industries	559.93	555.59	561.19	550.78	546.40	547.80	546.89	548.05	566.46	559.68	563.50	583.73	596.23
Blast furnace and basic steel products	562.51	531.47	550.67	540.83	537.20	542.04	541.90	571.46	580.25	560.67	580.25	596.63	621.45
Iron and steel foundries	601.68	621.19	620.20	610.93	589.16	586.79	583.87	542.64	598.19	600.64	595.52	630.54	635.64
Nonferrous rolling and drawing	569.65	598.23	579.90	561.97	578.22	562.38	557.75	559.60	573.01	573.92	560.52	570.91	562.93
Fabricated metal products	494.91	500.65	496.18	506.32	495.01	486.36	494.06	472.65	486.99	494.38	488.36	503.01	515.70
Cutlery, hand tools, and hardware	479.60	507.16	494.10	508.41	474.74	474.00	472.83	451.62	461.78	459.02	470.05	487.12	484.00
Fabricated structural metal products	439.56	423.69	413.83	435.97	431.04	433.14	439.03	429.77	453.49	454.40	441.34	457.95	454.71
Metal forgings and stampings	628.21	635.60	637.58	643.92	630.08	615.29	628.09	588.13	616.76	628.52	618.25	639.12	664.02
Machinery, except electrical	485.18	480.11	483.51	489.20	482.22	481.20	483.07	473.30	481.85	485.41	482.58	492.33	510.82
Construction and related machinery	408.64	404.60	404.61	399.60	398.19	400.14	399.38	399.60	413.48	417.18	421.89	421.45	427.20
Metalworking machinery	467.08	456.42	462.40	473.70	468.42	466.23	465.62	460.90	458.70	468.52	464.78	475.94	490.31
Special industry machinery	458.96	448.28	446.42	451.31	450.89	463.75	469.37	456.04	458.22	459.14	457.71	473.19	481.00
General industrial machinery	503.10	491.91	504.38	510.77	500.64	501.48	502.10	493.85	484.98	501.23	513.95	515.46	526.25
Office and computing machines	400.87	374.59	397.11	394.40	396.35	396.18	397.54	388.74	419.43	398.24	399.53	414.29	431.21
Refrigeration and service machinery	580.56	610.64	588.74	584.68	550.25	563.64	572.40	570.26	567.09	602.89	574.00	568.38	614.90
Electric and electronic equipment	459.80	454.30	460.06	459.80	452.79	451.28	450.58	448.11	452.35	464.88	456.77	471.33	489.89
Electrical industrial apparatus	438.75	443.36	445.26	451.41	445.67	437.66	434.68	437.38	421.45	436.81	437.12	445.71	429.87
Household appliances	479.34	474.35	470.50	461.62	470.60	455.14	462.26	468.54	490.14	497.08	471.03	493.19	534.60
Electric lighting and wiring equipment	464.80	426.19	458.02	455.81	468.00	463.42	462.73	426.10	450.84	472.50	472.34	486.36	532.07
Communication equipment	491.23	508.38	494.98	493.73	491.71	516.17	484.86	462.84	480.73	492.90	473.49	498.72	488.38
Transportation equipment	632.06	649.52	652.24	644.67	632.60	620.54	616.40	600.66	616.40	629.31	610.76	646.46	656.48
Motor vehicles and equipment	655.93	687.92	684.63	678.30	660.07	649.28	645.77	619.65	633.91	646.21	624.35	660.67	674.97
Aircraft and parts	581.99	546.41	573.82	564.77	575.85	564.83	565.76	575.04	587.78	601.16	584.77	624.70	623.76
Instruments and related products	359.10	357.90	351.74	362.50	350.34	357.40	352.14	356.31	349.71	358.30	355.32	364.72	392.46
Measuring and controlling devices	346.62	347.27	342.62	352.80	339.00	350.87	345.73	351.00	331.60	346.12	336.55	348.04	369.33
Nondurable Goods[c]	439.71	434.51	432.41	433.46	426.59	434.89	439.71	438.19	439.30	443.72	444.52	449.40	454.92
Food and kindred products	416.83	405.32	402.98	395.39	399.10	419.67	417.91	431.04	422.99	420.33	426.72	423.85	436.77
Meat products	375.36	366.00	347.88	363.31	360.40	394.12	379.04	402.97	383.88	373.82	372.08	379.86	374.22
Dairy products	450.26	427.32	435.74	440.96	448.54	449.40	450.64	464.71	460.08	450.07	452.19	459.88	469.37
Preserved fruits and vegetables	393.71	389.09	390.57	371.15	369.34	385.84	384.56	384.89	410.85	392.81	412.02	402.52	422.06
Bakery products	451.19	434.69	430.91	425.63	441.22	436.62	456.46	471.83	458.80	459.42	465.63	468.33	462.56
Beverages	418.97	415.95	388.39	390.06	408.80	430.26	429.51	438.04	425.52	442.73	424.79	413.59	420.16
Apparel and other textile products	269.65	267.67	267.51	273.33	272.19	264.20	267.10	270.85	270.07	270.80	271.36	268.46	272.19

See footnotes at end of table.

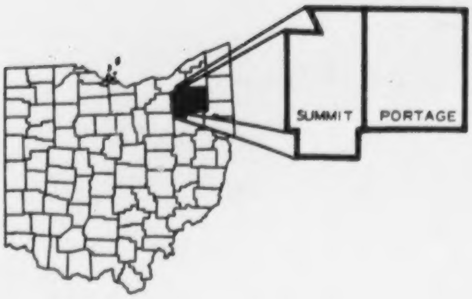
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO, 1986[a] (Continued)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
Paper and allied products	$487.28	$481.23	$484.74	$473.00	$472.56	$478.93	$481.34	$496.15	$483.34	$499.26	$495.29	$493.50	$503.10
Misc. converted paper products	452.24	440.67	450.24	431.74	430.77	448.44	452.24	465.88	459.78	469.34	460.67	454.82	468.00
Paperboard containers and boxes	416.37	403.75	409.92	402.69	408.85	411.18	412.58	414.39	412.30	435.56	422.30	432.72	434.30
Printing and publishing	410.70	403.37	400.62	408.67	398.91	407.33	402.80	406.75	410.80	417.40	418.95	429.37	429.46
Newspapers	348.15	329.31	325.38	333.00	335.30	357.00	350.87	349.17	348.16	356.68	357.76	361.53	376.88
Commercial printing	410.34	406.58	404.99	412.85	397.55	397.88	390.40	401.95	416.16	419.52	422.42	433.78	414.47
Chemicals and allied products	514.04	508.02	506.57	515.10	503.84	509.96	520.67	502.94	509.99	518.22	512.05	521.59	534.06
Industrial inorganic chemicals	551.27	552.98	542.10	534.78	528.21	548.69	563.86	550.12	556.19	568.01	550.84	555.10	559.99
Rubber and misc. plastics products	438.96	442.96	438.44	438.60	423.43	433.15	443.66	431.38	438.65	441.34	443.23	447.38	444.19
Tires and inner tubes	633.40	641.55	630.20	622.89	628.38	625.14	653.80	633.25	660.81	628.34	635.51	634.20	611.88
Miscellaneous plastics products	423.73	424.15	424.15	426.13	404.89	416.64	426.43	412.93	419.42	425.96	428.40	435.89	434.02
MINING	521.02	527.77	513.30	507.91	511.17	512.13	514.17	512.00	524.18	538.77	516.67	528.96	551.89
Bituminous coal and lignite mining	619.42	636.23	623.08	614.66	611.94	615.91	607.75	591.14	631.08	635.95	597.40	623.83	648.06
CONSTRUCTION	579.34	602.16	572.14	574.93	580.39	587.39	581.10	559.78	595.81	588.85	588.35	565.74	557.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	537.02	516.65	515.36	529.10	523.67	526.50	537.92	543.58	536.61	549.70	552.49	551.26	553.73
Communication	526.82	502.44	503.23	519.30	510.24	513.11	531.95	541.03	524.88	539.97	545.61	541.82	549.92
Electric, gas, and sanitary services	548.14	534.42	529.72	541.99	539.79	543.02	543.92	547.87	551.45	560.77	561.60	561.60	559.73
WHOLESALE TRADE	366.42	357.77	356.96	360.89	365.38	366.03	367.06	368.68	366.81	368.39	369.57	371.99	374.22
Wholesale trade-durable goods	362.22	356.80	353.98	358.66	362.06	361.82	364.98	363.92	362.61	366.83	364.59	364.72	368.28
Wholesale trade-nondurable goods	372.06	360.02	361.38	363.47	371.62	373.18	372.23	375.65	373.01	371.50	376.92	382.71	383.72
RETAIL TRADE[d]	157.28	153.39	153.71	153.97	155.04	156.67	158.30	160.52	159.10	159.26	158.44	157.32	162.09
General merchandise stores	178.19	165.82	168.04	169.80	179.08	181.76	185.13	188.17	183.92	182.70	179.67	174.89	181.62
Department stores	183.25	169.48	172.25	174.05	184.14	186.85	190.30	193.44	188.80	187.52	184.11	179.26	186.91
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	248.32	243.08	245.31	245.33	247.68	249.72	245.24	247.26	249.66	250.55	251.79	250.72	253.44
Credit agencies other than banks	242.53	236.81	237.82	237.98	246.13	243.32	242.77	240.40	244.47	243.38	244.91	243.87	247.74
Insurance carriers	328.21	315.16	319.21	319.11	324.04	324.31	323.48	325.98	327.20	333.66	338.18	342.96	343.24
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	.....	......	......	......	......	......	......	......
Hospitals	315.89	313.07	312.56	312.96	314.63	315.63	317.63	320.82	321.55	324.53	322.01	320.41	322.68

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b]Includes miscellaneous manufacturing. [c]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d]Money payments only, tips not included. [e]Low due to labor-management disputes during part of pay period. [f]Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-0 (1986)

AKRON
PRIMARY METROPOLITAN STATISTICAL AREA

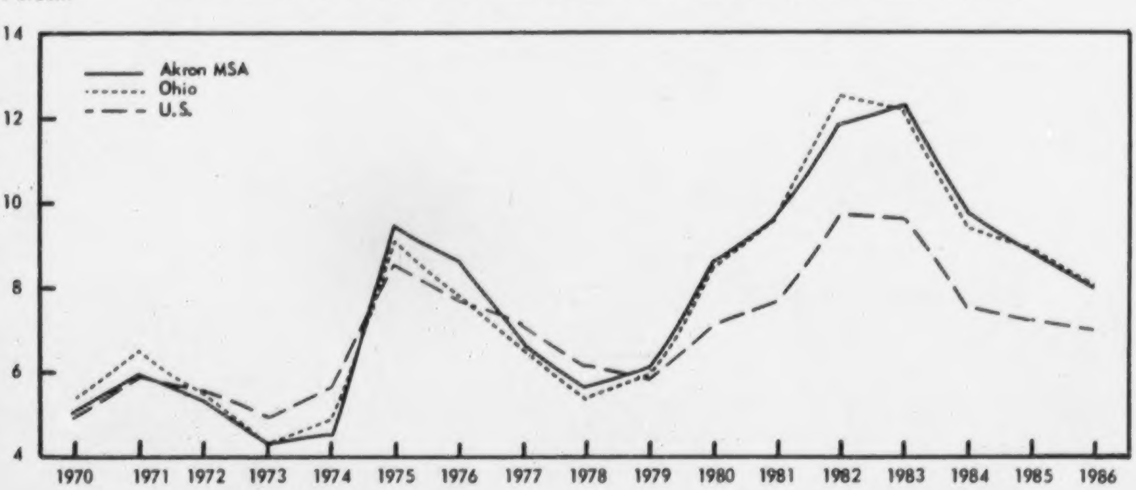


The estimated annual average civilian labor force in the Akron metropolitan area, based on place of residence, increased by 1,700 jobs, from 317,800 in 1985, to 319,500 in 1986. Total employment advanced 4,000 over the year, to 293,900, while unemployment registered a decrease of 2,400, to a 1986 level of 25,600. The unemployment rate declined from 8.8 percent in 1985, to 8.0 percent in 1986. (See table, page 35, top.)

Nonagricultural wage and salary employment in the Akron area rose .9 percent, from 257,600 in 1985, to 260,000 in 1986. Despite a slight recovery in 1985, manufacturing employment fell by 1,300 in 1986. Rubber and miscellaneous plastics products, especially tires and inner tubes, contributed heavily to the decline. Expansion in construction, retail trade, and services helped negate the losses in manufacturing. Retail trade and services had net gains of 1,000 and 1,400 jobs, respectively, to pace nonmanufacturing divisions.

Since the 1979-1983 recessionary period, the major concentration of growth in the Akron area has been in retail trade, with a net gain of 4,700 jobs. Services was second with an addition of 3,100 jobs. Most industries in the area recorded a slight but steady recovery. Tires and inner tubes continued to decline, with a net loss of 1,600 jobs between 1983 and 1986.(See table, page 35, bottom.)

AKRON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Akron Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	277.7	261.3	16.3	5.9	6.5	5.9
1972	282.2	267.3	14.8	5.3	5.5	5.6
1973	287.1	274.9	12.2	4.3	4.3	4.9
1974	290.8	277.7	13.0	4.5	4.8	5.6
1975	292.0	264.3	27.7	9.5	9.1	8.5
1976	291.3	266.3	25.0	8.6	7.8	7.7
1977	294.2	274.7	19.5	6.6	6.5	7.1
1978	298.9	282.2	16.7	5.6	5.4	6.1
1979	303.8	285.4	18.4	6.1	5.9	5.8
1980	304.5	278.3	26.2	8.6	8.4	7.1
1981	304.1	274.9	29.1	9.6	9.6	7.6
1982	303.9	268.0	35.9	11.8	12.5	9.7
1983	302.5	265.2	37.3	12.3	12.2	9.6
1984	316.5	285.8	30.6	9.7	9.4	7.5
1985	317.8	289.9	28.0	8.8	8.9	7.2
1986	319.5	293.9	25.6	8.0	8.1	7.0

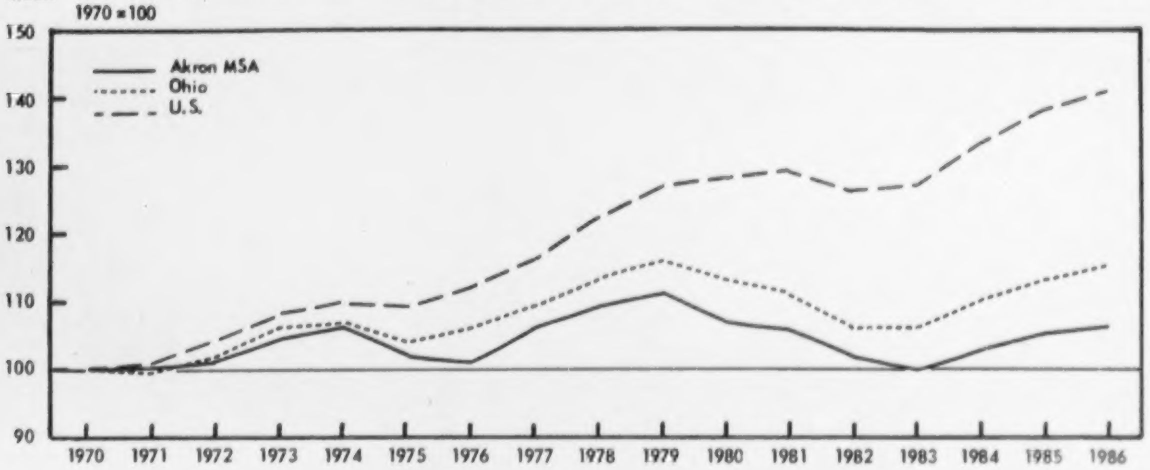
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE AKRON PRIMARY METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

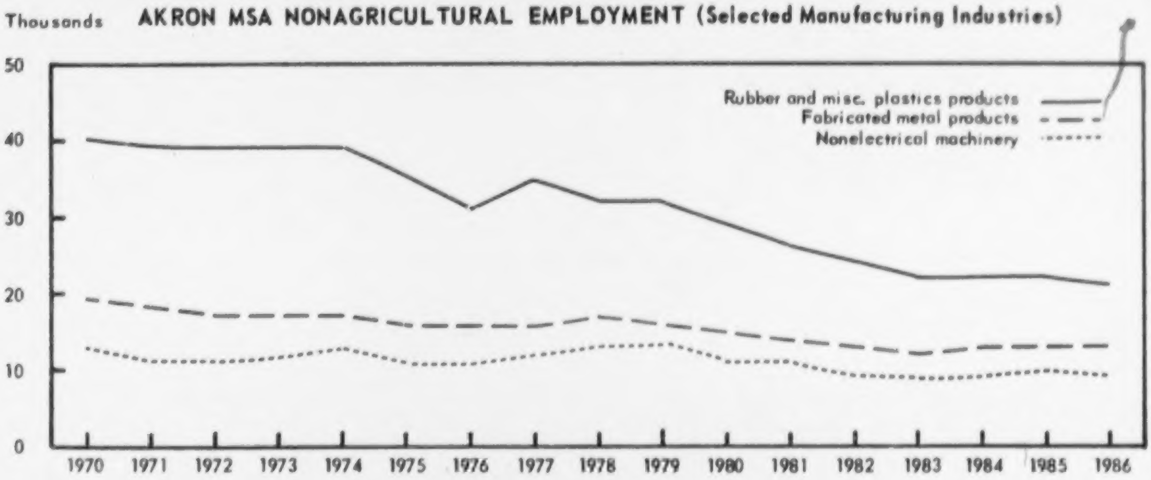
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	270.9	244.7	260.0	-26.2	15.3	58.4	97.6
MANUFACTURING	85.6	65.2	66.8	-20.4	1.6	7.8	13.7
Durable Goods	41.8	32.7	34.9	-9.1	2.2	24.1	11.5
Fabricated metal products	16.3	12.3	13.0	-4.0	.7	17.5	15.4
Machinery, except electrical	13.0	8.5	9.4	-4.5	.9	20.0	6.3
Nondurable Goods	43.9	32.5	31.8	-11.4	- .7	-	23.0
Rubber and misc. plastics products	31.6	21.6	20.8	-10.0	- .8	-	36.6
Tires and inner tubes	24.7	15.5	13.9	-9.2	-1.6	-	-
CONSTRUCTION	9.2	6.9	8.7	-2.3	1.8	78.2	57.6
TRANSPORTATION AND PUBLIC UTILITIES	15.2	12.5	13.0	-2.7	.5	18.5	20.9
WHOLESALE TRADE	11.9	11.9	13.6	.0	1.7	+	228.7
RETAIL TRADE	46.2	45.3	50.0	- .9	4.7	522.2	348.7
FINANCE, INSURANCE, AND REAL ESTATE	9.4	9.1	10.0	- .3	.9	300.0	+
SERVICES	49.7	52.3	55.4	2.6	3.1	+	+
GOVERNMENT	43.2	40.7	41.8	-2.5	1.1	44.0	132.6
State government	12.4	13.1	14.1	.7	1.0	+	+
Local government	28.7	25.5	25.4	-3.2	- .1	-	59.1

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

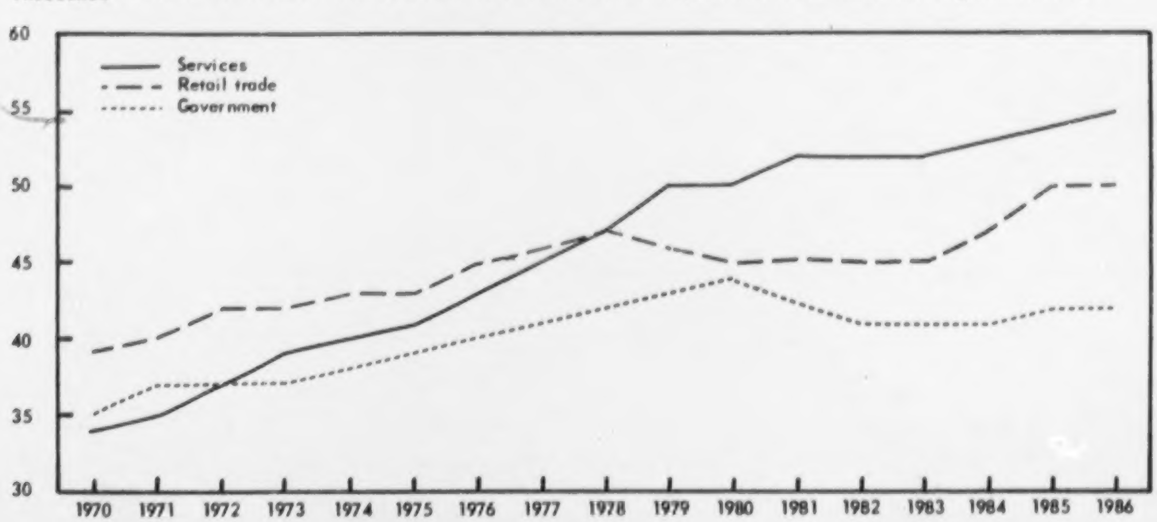
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



AKRON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



AKRON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	260.0	254.2	254.6	256.0	259.0	262.0	259.8	257.6	257.1	263.9	263.9	265.7	266.4
MANUFACTURING	66.8	66.6	66.6	66.7	67.1	67.2	67.5	66.5	66.1	66.7	66.5	66.7	67.0
Durable Goods[b]	34.9	34.7	34.8	34.9	35.0	35.2	35.2	34.6	34.6	35.1	35.0	35.0	34.9
Fabricated metal products	13.0	12.7	12.8	13.0	13.0	13.2	13.1	12.7	12.8	13.1	13.0	13.1	13.0
Machinery, except electrical	9.4	9.5	9.5	9.5	9.5	9.5	9.5	9.3	9.2	9.3	9.3	9.3	9.2
Metalworking machinery	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
Nondurable Goods[c]	31.8	31.9	31.8	31.7	32.1	32.0	32.2	31.9	31.5	31.5	31.5	31.7	32.1
Food and kindred products	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7
Chemicals and allied products	2.9	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.9	2.9
Rubber and misc. plastics products	20.8	21.1	21.1	21.0	21.1	21.0	21.1	20.7	20.4	20.5	20.5	20.7	20.9
Tires and inner tubes	13.9	14.4	14.2	14.1	14.2	14.0	14.0	13.9	13.5	13.5	13.5	13.4	13.7
NONMANUFACTURING[d]	193.2	187.6	188.0	189.3	191.9	194.8	192.3	191.1	190.9	197.2	197.4	199.0	199.4
CONSTRUCTION	8.7	7.1	6.9	7.1	8.1	8.7	9.1	9.5	9.8	9.7	9.8	9.6	8.9
TRANSPORTATION AND PUBLIC UTILITIES	13.0	12.7	12.8	12.9	12.9	12.9	13.0	13.1	13.2	13.0	13.1	13.2	13.2
Communication, electric, gas services	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.4
WHOLESALE TRADE	13.6	13.6	13.5	13.4	13.5	13.4	13.4	13.5	13.6	13.6	13.8	13.7	13.8
RETAIL TRADE	50.0	47.8	47.4	48.0	49.3	49.9	50.1	50.3	50.4	50.8	50.8	52.3	53.3
General merchandise stores	6.6	6.8	6.5	6.4	6.4	6.2	6.2	6.4	6.3	6.4	6.6	7.5	8.0
FINANCE, INSURANCE, AND REAL ESTATE	10.0	9.7	9.7	9.7	9.9	10.0	10.1	10.1	10.1	10.1	10.1	10.2	10.3
Banking	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.2	3.1
SERVICES	55.4	53.7	53.7	54.3	54.4	55.6	56.8	57.0	56.9	56.7	55.6	55.4	55.2
Business services	10.4	10.4	10.3	10.3	10.1	10.1	10.1	10.4	10.5	10.6	10.7	10.6	10.6
Amusement and recreation services	3.2	2.3	2.3	2.4	2.7	3.6	4.2	4.6	4.5	3.9	2.6	2.4	2.4
Health services	17.6	17.6	17.6	17.7	17.5	17.4	17.6	17.6	17.5	17.6	17.5	17.7	17.7
GOVERNMENT	41.8	42.1	43.0	43.2	43.2	43.6	39.1	37.0	36.4	42.7	43.4	43.9	44.0
State government	14.1	14.3	15.0	15.2	15.1	15.1	10.9	10.6	10.6	15.2	15.6	15.7	15.9
State government education	11.2	11.4	12.2	12.3	12.2	12.2	7.9	7.5	7.5	12.3	12.7	12.9	13.0
State government, except education	2.9	2.9	2.9	2.9	2.9	2.9	3.1	3.1	3.1	2.9	2.9	2.9	2.9
Local government	25.4	25.5	25.7	25.7	25.7	26.1	25.7	24.0	23.4	25.2	25.6	25.8	25.8
Local government education	13.7	14.1	14.4	14.3	14.1	14.3	13.6	11.8	11.7	13.4	14.1	14.4	14.5
Local government, except education	11.6	11.5	11.3	11.4	11.6	11.8	12.1	12.2	11.7	11.7	11.5	11.5	11.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-23-87 RS-790-1-1 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON PMSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	257.6	251.1	251.3	253.4	256.9	260.9	257.5	257.0	256.7	262.5	261.7	261.0	260.6
MANUFACTURING	68.1	68.2	68.2	68.3	68.6	68.7	68.6	68.3	67.6	67.8	67.8	67.6	67.4
Durable Goods[b]	35.3	35.3	35.2	35.5	35.7	35.7	35.7	35.5	34.9	35.2	35.2	35.1	35.0
Fabricated metal products	13.0	13.2	13.0	13.0	13.1	13.2	13.3	13.1	12.7	13.0	13.0	12.9	12.9
Machinery, except electrical	9.6	9.5	9.5	9.7	9.6	9.5	9.5	9.5	9.5	9.6	9.6	9.7	9.6
Metalworking machinery	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2
Nondurable Goods[c]	32.8	32.9	33.0	32.9	32.9	32.9	33.0	32.8	32.7	32.6	32.6	32.5	32.4
Food and kindred products	2.8	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.9	2.9	2.9	2.8	2.8
Chemicals and allied products	2.7	2.6	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8
Rubber and misc. plastics products	22.0	22.5	22.6	22.4	22.3	22.2	22.1	21.9	21.7	21.7	21.7	21.5	21.4
Tires and inner tubes	15.2	15.7	15.8	15.8	15.7	15.6	15.4	15.2	15.0	14.8	14.9	14.7	14.5
NONMANUFACTURING[d]	189.5	183.0	183.0	185.0	188.3	192.3	188.9	188.7	189.0	194.7	193.9	193.4	193.2
CONSTRUCTION	8.2	6.5	5.9	6.4	7.5	8.5	8.9	9.3	9.5	9.3	9.7	9.2	8.4
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.6	12.7	12.8	12.8	12.8	12.8	12.9	12.9	12.8	12.9	13.0	12.9
Communication, electric, gas services	5.3	5.2	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.3
WHOLESALE TRADE	13.3	13.1	13.0	13.1	13.3	13.3	13.4	13.4	13.4	13.5	13.6	13.5	13.5
RETAIL TRADE	49.0	47.8	46.9	47.6	48.4	49.0	49.1	49.3	49.7	49.7	49.4	50.0	50.6
General merchandise stores	6.8	6.9	6.5	6.5	6.6	6.6	6.5	6.5	6.5	6.6	6.9	7.3	7.6
FINANCE, INSURANCE, AND REAL ESTATE	9.6	9.3	9.3	9.3	9.5	9.6	9.6	9.7	9.7	9.8	9.8	9.8	9.8
Banking	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.0	3.1	3.1	3.1	3.1
SERVICES	54.0	51.4	51.5	51.9	53.1	55.0	55.9	55.7	56.0	56.0	54.3	53.8	53.6
Business services	10.2	9.9	9.8	9.9	9.8	10.2	10.2	10.4	10.5	10.5	10.4	10.2	10.2
Amusement and recreation services	2.9	2.1	2.1	2.0	2.5	3.5	4.0	4.2	4.2	3.8	2.4	2.1	2.2
Health services	17.5	17.4	17.4	17.5	17.4	17.5	17.5	17.5	17.6	17.6	17.7	17.8	17.6
GOVERNMENT	41.6	41.4	42.8	43.0	42.9	43.2	38.2	37.6	37.1	42.8	43.3	43.3	43.5
State government	13.7	13.4	14.7	15.1	14.8	14.9	9.8	10.3	10.3	14.9	15.2	15.3	15.4
State government education	10.8	10.5	11.8	12.2	12.0	12.0	6.9	7.3	7.3	12.0	12.3	12.4	12.5
State government, except education	2.9	2.9	2.9	2.9	2.8	2.9	3.0	3.0	3.0	2.9	2.8	2.8	2.9
Local government	25.7	26.0	26.0	25.8	25.8	26.2	26.1	25.1	24.5	25.7	25.9	25.8	25.8
Local government education	13.6	14.3	14.4	14.2	14.0	14.2	13.3	11.9	11.9	13.4	13.9	14.1	14.3
Local government, except education	12.1	11.7	11.6	11.6	11.8	12.0	12.9	13.2	12.6	12.3	12.0	11.7	11.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-1 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.22	$11.10	$11.13	$11.17	$11.09	$11.06	$11.21	$11.10	$11.28	$11.32	$11.37	$11.38	$11.45
Durable Goods[b]	11.50	11.35	11.32	11.45	11.31	11.27	11.45	11.23	11.55	11.65	11.71	11.80	11.94
Fabricated metal products	13.84	13.51	13.54	13.82	13.57	13.42	13.88	13.34	13.85	13.95	14.30	14.47	14.30
Machinery, except electrical	9.88	9.68	9.70	9.84	9.81	9.88	9.94	10.00	10.00	9.96	9.78	9.86	10.15
Metalworking machinery	9.95	9.72	9.78	9.96	9.90	9.84	9.88	9.98	9.95	10.08	10.01	10.02	10.31
Nondurable Goods[c]	10.78	10.69	10.82	10.72	10.73	10.74	10.82	10.92	10.86	10.80	10.83	10.72	10.72
Food and kindred products	10.86	10.44	10.69	10.98	10.[illegible]3	10.95	10.95	10.98	11.00	10.93	10.81	10.81	10.85
Chemicals and allied products	11.03	10.92	10.91	10.89	10.90	10.95	10.93	11.00	11.18	11.15	11.23	11.11	11.12
Rubber and misc. plastics products	11.14	11.12	11.10	11.05	11.08	[e]11.10	11.27	11.37	11.34	11.15	11.18	11.00	10.96
Tires and inner tubes	14.59	14.36	14.48	14.34	14.47[f]	14.53	14.79	14.81	14.86	14.64	14.79	14.68	14.42
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.33	13.02	13.05	13.18	13.11	13.10	13.27	13.47	13.40	13.48	13.59	13.65	13.61
WHOLESALE TRADE	8.49	8.41	8.45	8.61	8.49	8.57	8.49	8.43	8.58	8.49	8.48	8.35	8.47
RETAIL TRADE[d]	6.13	6.06	6.12	6.04	6.03	6.10	6.10	6.11	6.13	6.17	6.20	6.18	6.26

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-1 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	43.2	42.7	43.1	43.5	43.0	43.0	43.9	42.6	43.6	43.3	43.0	43.2	43.5
Durable Goods[b]	43.7	42.9	43.5	44.1	43.7	43.7	44.5	42.7	44.0	43.8	43.3	43.7	44.1
Fabricated metal products	45.6	44.9	45.8	45.9	44.7	45.3	47.2	42.4	46.6	46.0	45.9	46.0	46.2
Machinery, except electrical	44.1	43.0	43.1	44.8	44.9	44.3	45.2	44.1	44.3	43.7	43.7	44.3	44.2
Metalworking machinery	45.4	45.1	44.8	47.3	46.4	46.1	47.8	46.3	45.7	44.2	43.4	43.9	44.1
Nondurable Goods[c]	42.5	42.4	42.6	42.6	42.0	42.0	42.9	42.5	43.0	42.5	42.5	42.6	42.7
Food and kindred products	40.9	38.2	39.5	39.8	40.4	40.3	41.2	41.9	41.2	40.7	40.8	42.2	44.2
Chemicals and allied products	40.9	41.6	41.3	41.4	40.8	41.5	40.4	40.9	40.5	40.0	40.4	40.6	41.6
Rubber and misc. plastics products	44.3	44.9	44.1	44.6	44.0	43.6	45.2	43.7	44.7	44.5	44.3	44.1	44.3
Tires and inner tubes	49.0	51.1	49.1	48.6	49.4	48.5	49.9	49.5	50.3	48.2	48.4	48.3	46.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services ..	40.9	40.0	40.0	40.7	40.7	40.5	41.2	41.5	40.8	41.0	41.3	41.6	41.1
WHOLESALE TRADE	38.2	38.2	38.0	38.5	38.5	38.4	38.5	38.6	38.5	38.3	37.3	37.6	37.8
RETAIL TRADE	30.8	29.0	28.6	29.9	30.2	31.3	31.4	31.6	31.6	31.0	31.2	31.1	32.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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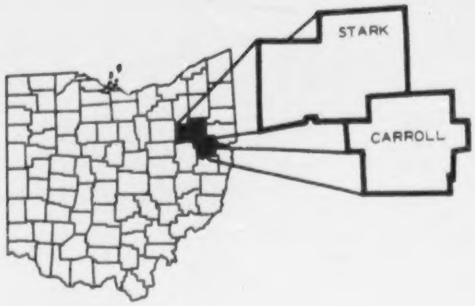
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$484.70	$473.97	$479.70	$485.90	$476.87	$475.58	$492.12	$472.86	$491.81	$490.16	$488.91	$491.62	$498.08
Durable Goods[b]	502.55	486.92	492.42	504.95	494.25	492.50	509.53	479.52	508.20	510.27	507.04	515.66	526.55
Fabricated metal products	631.10	606.60	620.13	634.34	606.58	607.93	655.14	565.62	645.41	641.70	656.37	665.62	660.66
Machinery, except electrical	435.71	416.24	418.07	440.83	440.47	437.68	449.29	441.00	443.00	435.25	427.39	436.80	448.63
Metalworking machinery	451.73	438.37	438.14	471.11	459.36	453.62	472.26	462.07	454.72	445.54	434.43	439.88	454.67
Nondurable Goods[c]	458.15	453.26	460.93	456.67	450.66	451.08	464.18	464.10	466.98	459.00	460.28	456.67	457.74
Food and kindred products	444.17	398.81	422.26	437.00	441.57	441.29	451.14	460.06	453.20	444.85	441.05	456.18	479.57
Chemicals and allied products	451.13	454.27	450.58	450.85	444.72	454.43	441.57	449.90	452.79	446.00	453.69	451.07	462.59
Rubber and misc. plastics products	493.50	499.29	489.51	492.83	487.52	483.96	509.40	496.87	506.90	496.18	495.27	485.10	485.53
Tires and inner tubes	714.91	733.80	710.97	696.92	714.82	704.71	738.02	733.10	747.46	705.65	715.84	709.04	674.86
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	545.20	520.80	522.00	536.43	533.58	530.55	546.72	559.01	546.72	552.68	561.27	567.84	559.37
WHOLESALE TRADE	324.32	321.26	321.10	331.49	326.87	329.09	326.87	325.40	330.33	325.17	316.30	313.96	320.17
RETAIL TRADE[d]	188.80	175.74	175.03	180.60	182.11	190.93	191.54	193.08	193.71	191.27	193.44	192.20	200.32

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-1 (1986)

CANTON
METROPOLITAN STATISTICAL AREA

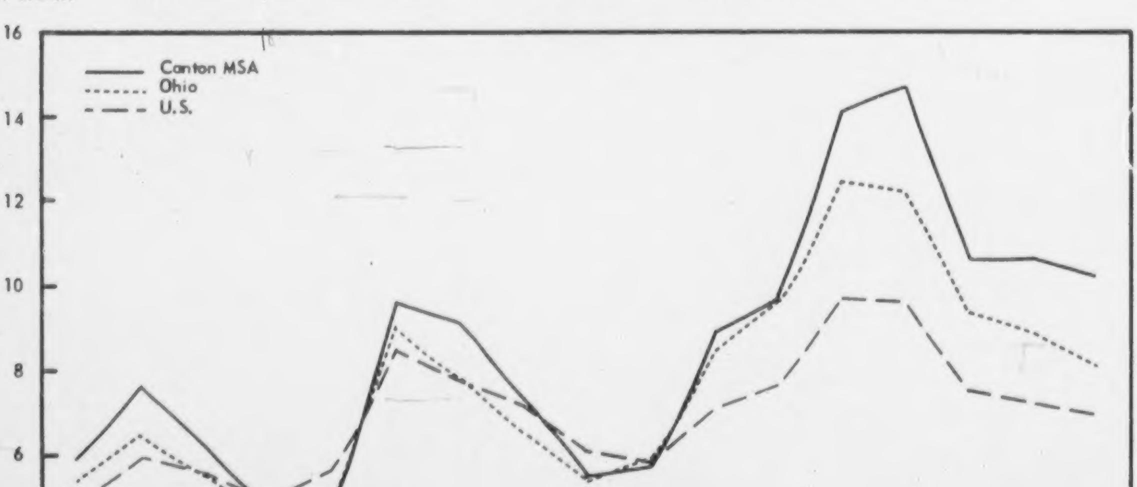


The estimated average civilian labor force in the Canton metropolitan area, based on place of residence, gained 800 jobs over the year, from 189,500 in 1985, to 190,300 in 1986. Total employment increased 1,500 over the year, to 171,000, while unemployment recorded a decrease of 600, to a 1986 level of 19,400. The unemployment rate fell from 10.6 percent in 1985, to 10.2 percent in 1986. (See table, page 43, top.)

Nonagricultural wage and salary employment in the Canton area rose slightly, to 151,800 in 1986 from 151,500 in 1985. Scattered reductions in durable- and nondurable-goods industries accounted for the loss of 2,700 manufacturing jobs. The sizable setback in manufacturing employment was more than offset by the addition of 3,000 nonmanufacturing jobs. Retail trade and services led all nonmanufacturing divisions in gains in employment, 1,300 and 900, respectively. Notable improvements also occurred in local government education and health services.

Nonfarm wage and salary employment has improved moderately since the 1979-1983 economic downturn. Manufacturing employment showed no change over the period, although nondurable-goods industries gained 800 jobs from 1983-1986. Most manufacturing industries continued to decline, especially primary metals and fabricated metal products. The most important recovery took place in retail trade with the addition of 4,100 jobs. The second leading growth sector was services, with a net gain of 2,600 jobs between 1983 and 1986. (See table, page 43, bottom.)

CANTON MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Canton Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	164.9	152.3	12.6	7.6	6.5	5.9
1972	165.6	155.3	10.3	6.2	5.5	5.6
1973	171.2	16.19	8.1	4.6	4.3	4.9
1974	175.6	167.5	8.1	4.6	4.8	5.6
1975	174.7	158.0	16.7	9.6	9.1	8.5
1976	174.4	158.6	15.8	9.1	7.8	7.7
1977	175.9	163.1	12.9	7.3	6.5	7.1
1978	179.9	170.0	9.9	5.5	5.4	6.1
1979	184.3	173.7	10.6	5.7	5.9	5.8
1980	187.7	170.9	16.8	8.9	8.4	7.1
1981	188.4	170.1	18.2	9.7	9.6	7.6
1982	191.4	164.3	27.0	14.1	12.5	9.7
1983	187.0	159.5	27.5	14.7	12.2	9.6
1984	188.1	168.1	19.9	10.6	9.4	7.5
1985	189.5	169.5	20.0	10.6	8.9	7.2
1986	190.3	171.0	19.4	10.2	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

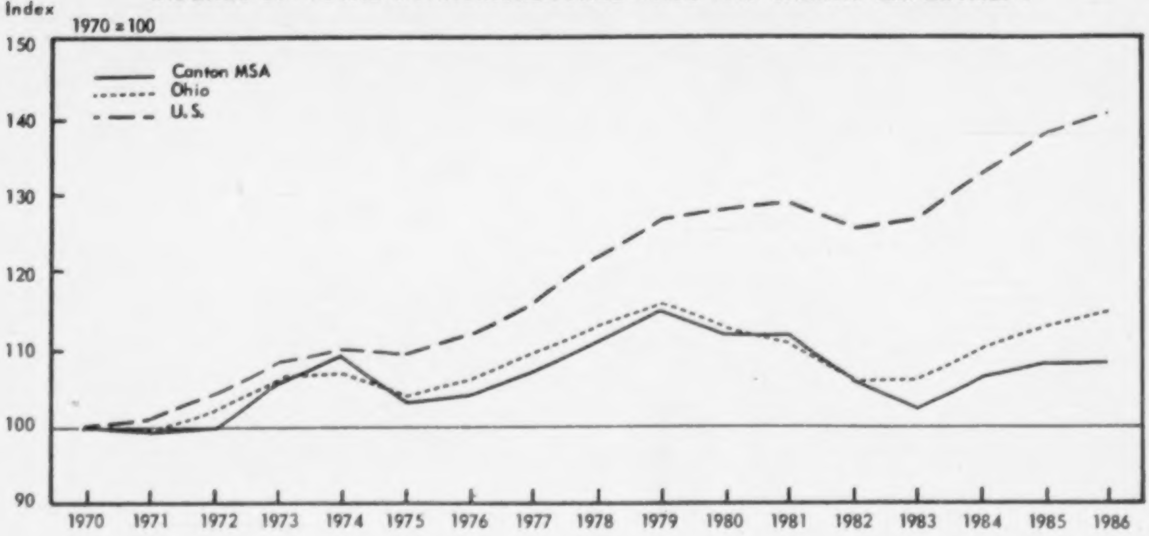
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CANTON METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	160.8	143.4	151.5	-17.4	8.1	46.6	97.6
MANUFACTURING	59.1	43.5	46.2	-15.6	2.7	17.3	13.7
Durable Goods	46.4	33.0	34.7	-13.4	1.1	8.2	11.5
Primary metal industries	15.6	10.2	11.0	- 5.4	1.1	20.4	-
Fabricated metal products	10.2	7.6	7.4	- 2.6	- .2	-	15.4
Nondurable Goods	12.7	10.6	11.6	- 2.1	1.0	47.6	23.0
Food and kindred products	4.4	3.7	4.0	- .7	.3	42.9	-
Rubber and misc. plastics products	3.5	2.5	2.9	- 1.0	.4	40.0	36.6
CONSTRUCTION	6.4	4.3	5.3	- 2.1	1.0	47.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	7.6	5.9	5.9	- 1.7	.0	-	20.9
WHOLESALE TRADE	7.2	7.2	7.8	.0	.6	+	228.7
RETAIL TRADE	27.1	26.1	28.9	- 1.0	2.8	280.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	5.9	6.4	6.1	.5	- .3	+ -	+
SERVICES	28.1	30.7	32.4	2.6	1.7	+	+
GOVERNMENT	18.3	18.0	17.6	- .3	- .4	-	132.6
Local government	15.1	15.2	14.7	.1	- .5	+ -	59.1

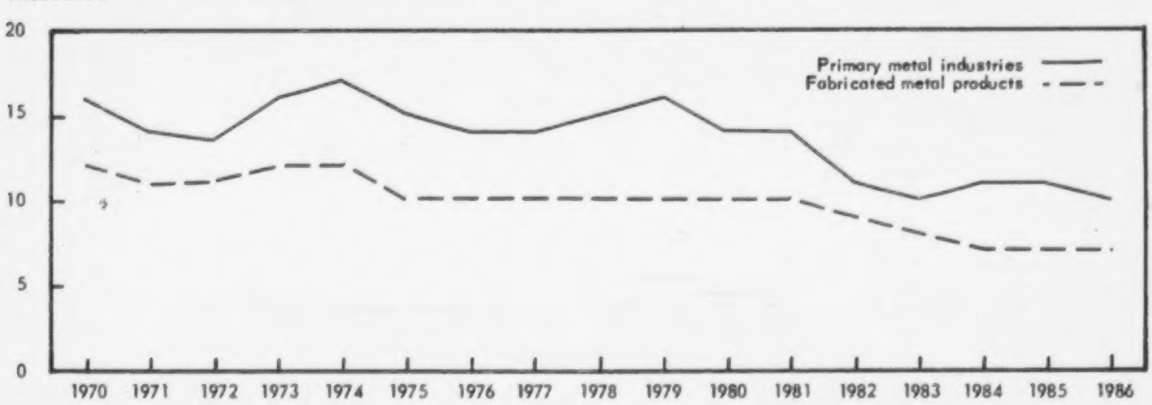
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

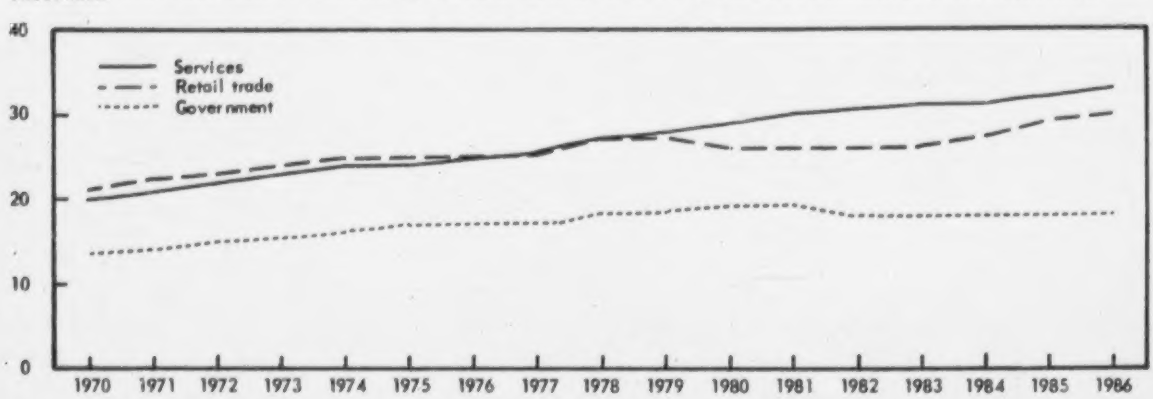
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CANTON MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.8	148.9	149.0	149.0	151.1	152.6	153.3	152.7	152.8	153.8	149.7	154.2	154.4
MANUFACTURING	43.5	44.1	44.4	44.0	44.0	44.2	44.6	44.0	44.2	44.0	38.7	43.0	42.8
Durable Goods[b]	32.1	32.6	33.0	32.8	32.9	33.0	33.0	32.4	32.6	32.5	27.4	31.8	31.5
Primary metal industries	10.0	10.0	10.2	10.3	10.2	10.3	10.1	10.2	10.0	10.2	8.4	10.0	9.9
Fabricated metal products	7.0	6.9	7.0	7.0	7.0	7.1	7.2	7.0	6.9	7.0	6.9	6.8	6.7
Metal forgings and stampings	2.5	2.5	2.6	2.5	2.6	2.6	2.7	2.6	2.5	2.5	2.4	2.4	2.3
Nondurable Goods[c]	11.4	11.5	11.4	11.2	11.1	11.2	11.5	11.6	11.7	11.5	11.4	11.3	11.3
Food and kindred products	3.7	3.8	3.7	3.6	3.5	3.6	3.8	3.9	3.9	3.8	3.7	3.8	3.8
Rubber and misc. plastics products	2.8	2.9	2.9	2.9	2.8	2.8	2.9	2.8	2.8	2.8	2.7	2.7	2.7
NONMANUFACTURING[d]	108.3	104.8	104.6	105.0	107.2	108.4	108.8	108.7	108.5	109.8	110.9	111.1	111.6
CONSTRUCTION	5.4	4.3	4.1	4.3	4.8	5.4	5.7	6.0	6.0	6.1	6.3	6.1	5.8
TRANSPORTATION AND PUBLIC UTILITIES	5.8	5.7	5.7	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.9	5.9	6.0
Communication, electric, gas services	2.7	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
WHOLESALE TRADE	8.0	7.9	7.8	7.9	7.9	7.9	8.0	8.1	8.1	8.0	8.0	8.0	8.1
Wholesale trade-durable goods	4.5	4.4	4.4	4.4	4.5	4.5	4.5	4.6	4.6	4.6	4.6	4.6	4.6
RETAIL TRADE	30.2	29.0	28.7	28.8	29.5	30.0	30.3	30.5	30.5	30.8	31.0	31.3	32.0
General merchandise stores	3.8	3.7	3.6	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.9	4.3	4.6
Food stores	5.0	4.9	4.9	4.9	4.9	5.0	5.0	5.0	5.0	5.1	5.1	5.2	5.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.3	6.3	6.3	6.4	6.4	6.5	6.6	6.6	6.5	6.5	6.5	6.5
Banking	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
SERVICES	33.3	32.2	32.3	32.4	33.1	33.4	33.7	33.8	33.6	33.7	34.0	33.9	33.7
Health services	14.3	13.8	13.9	13.9	14.1	14.2	14.3	14.5	14.4	14.5	14.5	14.5	14.5
GOVERNMENT	18.0	18.2	18.5	18.5	18.6	18.4	17.8	16.9	16.7	17.8	18.3	18.4	18.4
State government	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
Local government	14.9	15.1	15.5	15.4	15.4	15.3	14.7	13.8	13.6	14.7	15.2	15.3	15.3
Local government education	8.9	8.9	9.3	9.3	9.3	9.2	8.6	7.8	7.7	8.7	9.3	9.4	9.4
Local government, except education	6.0	6.2	6.1	6.1	6.1	6.1	6.1	6.0	5.9	6.0	5.9	5.9	5.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-2 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	151.5	147.8	146.9	148.4	151.4	152.9	153.3	152.4	152.7	153.2	152.9	152.7	153.1
MANUFACTURING	46.2	46.5	45.9	46.2	46.5	46.6	46.8	46.5	46.7	46.4	45.8	45.4	45.1
Durable Goods[b]	34.7	35.1	34.7	34.9	35.2	35.1	35.1	34.9	35.0	34.7	34.2	33.7	33.4
Primary metal industries	11.0	10.9	10.8	11.0	11.2	11.1	11.1	11.1	11.1	11.0	11.0	10.7	10.5
Fabricated metal products	7.4	7.4	7.3	7.4	7.4	7.5	7.5	7.5	7.5	7.5	7.2	7.1	7.1
Metal forgings and stampings	2.8	3.0	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.6	2.6	2.6
Nondurable Goods[c]	11.6	11.4	11.2	11.3	11.3	11.5	11.7	11.6	11.7	11.7	11.6	11.7	11.8
Food and kindred products	4.0	3.9	3.8	3.9	3.8	3.9	4.1	3.9	4.1	4.1	4.0	4.0	4.1
Rubber and misc. plastics products	2.9	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
NONMANUFACTURING[d]	105.3	101.3	101.0	102.2	105.0	106.3	106.5	105.9	106.0	106.7	107.0	107.3	107.9
CONSTRUCTION	5.3	4.2	4.1	4.4	5.3	5.5	5.8	5.9	5.9	5.7	5.8	5.6	5.3
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	5.9	5.9	5.9	5.9	6.0	5.9	5.9	5.9	5.9	5.8	5.8
Communication, electric, gas services	2.8	2.7	2.7	2.8	2.7	2.8	2.8	2.7	2.7	2.7	2.8	2.8	2.8
WHOLESALE TRADE	7.8	7.7	7.6	7.7	7.7	7.8	7.8	7.9	7.9	7.9	7.9	7.9	7.9
Wholesale trade-durable goods	4.3	4.4	4.3	4.4	4.3	4.3	4.3	4.4	4.4	4.3	4.4	4.4	4.3
RETAIL TRADE	28.9	27.4	27.1	27.3	28.4	29.1	29.0	29.3	29.4	29.7	29.7	30.1	30.5
General merchandise stores	3.7	3.8	3.6	3.5	3.6	3.6	3.6	3.5	3.5	3.6	3.8	4.0	4.3
Food stores	5.0	4.7	4.7	4.7	4.9	5.0	5.0	5.1	5.1	5.4	5.2	5.2	5.1
FINANCE, INSURANCE, AND REAL ESTATE	6.1	6.0	6.0	6.0	6.0	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3
Banking	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.9
SERVICES	32.4	30.9	31.2	31.6	32.4	32.7	33.1	32.8	32.8	33.0	32.9	32.8	32.6
Health services	13.8	13.6	13.6	13.6	13.7	13.8	13.9	13.8	13.8	13.8	13.9	13.9	13.9
GOVERNMENT	17.6	17.9	17.9	18.1	18.2	18.1	17.5	16.7	16.6	17.2	17.4	17.7	18.3
State government	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.7
Local government	14.7	15.1	15.1	15.2	15.2	15.2	14.6	13.8	13.7	14.2	14.5	14.8	15.3
Local government education	8.5	8.8	8.8	9.0	9.0	9.0	8.3	7.6	7.6	8.1	8.3	8.6	9.1
Local government, except education	6.2	6.3	6.2	6.2	6.2	6.2	6.3	6.2	6.1	6.1	6.1	6.2	6.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-2 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.21	$11.23	$11.13	$11.15	$11.10	$11.13	$11.20	$11.21	$11.24	$11.25	$11.03	$11.44	$11.41
Durable Goods[b]	11.62	11.66	11.54	11.57	11.50	11.54	11.64	11.62	11.66	11.69	11.32	11.82	11.82
Primary metal industries	12.62	12.63	12.53	12.49	12.43	12.44	12.61	12.62	12.78	12.65	12.54	12.94	12.73
Fabricated metal products	12.03	12.29	12.18	12.43	11.88	12.08	12.30	11.96	12.02	11.94	11.60	11.70	11.87
Metal forgings and stampings	15.34	15.61	15.44	15.93	14.86	15.62	15.72	15.28	15.53	15.22	14.94	15.02	14.75
Nondurable Goods[c]	9.95	9.87	9.79	9.77	9.77	9.81	9.81	9.97	9.95	9.94	10.31	10.22	10.13
Food and kindred products	10.56	10.38	10.21	10.23	10.41	10.61	10.58	10.55	10.47	10.70	10.91	10.77	10.95
Rubber and misc. plastics products	10.35	10.64	10.55	10.45	10.47	10.27	10.23	10.48	10.42	10.32	10.23	10.02	10.05
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	12.87	12.54	12.64	12.64	12.69	12.58	12.74	12.99	13.07	13.07	13.12	13.19	13.22
WHOLESALE TRADE	9.59	9.43	9.47	9.48	9.66	9.59	9.64	9.56	9.59	9.57	9.68	9.58	9.87
RETAIL TRADE[d]	5.39	5.34	5.41	5.45	5.46	5.40	5.37	5.42	5.34	5.45	5.41	5.30	5.36

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-2 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	40.3	40.1	40.4	40.1	39.9	39.9	39.9	40.1	39.9	39.8	40.4	41.2	41.8
Durable Goods[b]	40.6	40.4	40.8	40.5	40.3	40.0	40.1	40.1	40.0	40.0	40.8	41.7	42.4
Primary metal industries	39.2	37.8	38.0	37.8	37.8	38.7	38.1	37.9	39.1	39.5	41.8	41.9	43.0
Fabricated metal products	42.6	43.7	43.9	43.9	42.3	42.8	43.1	41.0	42.5	41.4	42.2	41.7	42.3
Metal forgings and stampings	42.5	43.7	44.0	43.4	40.9	43.2	43.4	39.7	43.0	41.5	41.8	41.7	43.4
Nondurable Goods[c]	39.4	39.5	39.3	38.8	38.8	39.5	39.0	40.0	39.6	39.4	39.5	39.7	40.1
Food and kindred products	39.5	39.4	38.3	38.9	39.0	40.6	39.2	40.4	39.6	39.4	39.1	39.1	41.3
Rubber and misc. plastics products	41.9	44.0	43.3	41.6	40.3	41.3	41.8	42.1	42.5	40.9	41.1	41.7	41.8
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.7	40.6	40.7	40.2	40.2	40.0	40.4	41.0	40.7	40.9	41.3	41.0	41.2
WHOLESALE TRADE	35.4	36.2	36.3	36.0	36.4	35.6	35.3	35.4	34.7	34.5	34.2	35.0	35.8
RETAIL TRADE	28.9	28.7	28.5	28.4	28.6	28.7	29.4	29.2	29.1	28.7	28.7	29.1	29.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-2 (1986)

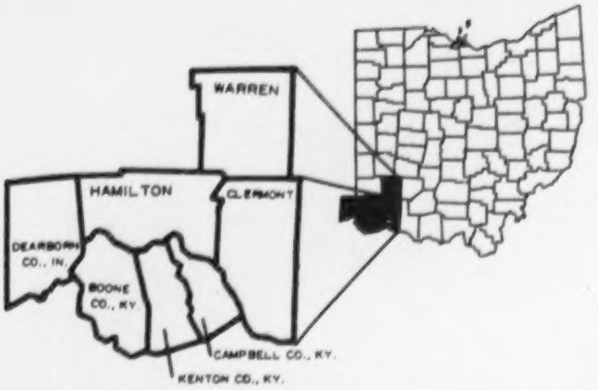
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$451.76	$450.32	$449.65	$447.12	$442.89	$444.09	$446.88	$449.52	$448.48	$447.75	$445.61	$471.33	$476.94
Durable Goods[b]	471.77	471.06	470.83	468.59	463.45	461.60	466.76	465.96	466.40	467.60	461.86	492.89	501.17
Primary metal industries	494.70	477.41	476.14	472.12	469.85	481.43	480.44	478.30	499.70	499.68	524.17	542.19	547.39
Fabricated metal products	512.48	537.07	534.70	545.68	502.52	517.02	530.13	490.36	510.85	494.32	489.52	487.89	502.10
Metal forgings and stampings	651.95	682.16	679.36	691.36	607.77	674.78	682.25	606.62	667.79	631.63	624.49	626.33	640.15
Nondurable Goods[c]	392.03	389.87	384.75	379.08	379.08	387.50	382.59	398.80	394.02	391.64	407.25	405.73	406.21
Food and kindred products	417.12	408.97	391.04	397.95	405.99	430.77	414.74	426.22	414.61	421.58	426.58	421.11	452.24
Rubber and misc. plastics products	433.67	468.16	456.82	434.72	421.94	424.15	427.61	441.21	442.85	422.09	420.45	417.83	420.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	523.81	509.12	514.45	508.13	510.14	503.20	514.70	532.59	531.95	534.56	541.86	540.79	544.66
WHOLESALE TRADE	339.49	341.37	343.76	341.28	351.62	341.40	340.29	338.42	332.77	330.17	331.06	335.30	353.35
RETAIL TRADE[d]	155.77	153.26	154.19	154.78	156.16	154.98	157.88	158.26	155.39	156.42	155.27	154.23	156.51

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-2 (1986)

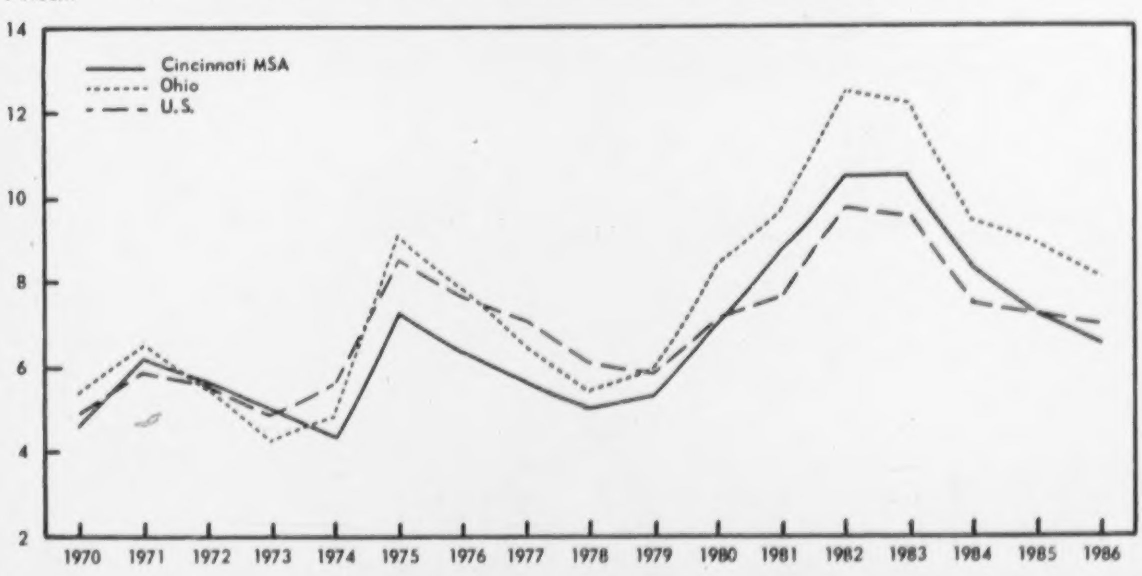
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



The estimated annual average civilian labor force in the Cincinnati metropolitan area, based on place of residence, rose 15,900 from 1985, to 726,500 in 1986. Total employment increased 20,300, to 679,400 over the year; unemployment dropped 4,300, to a 1986 total of 47,200. The unemployment rate declined from 7.2 percent in 1985, to 6.5 percent in 1986. (See table, page 51, top.)

Total nonagricultural wage and salary employment rose 3.7 percent, from 628,100 in 1985, to 651,200 in 1986. Growth was heaviest in services, especially business services; retail trade; and government. A modest gain was also recorded in manufacturing. Expansion in chemicals and allied products and printing and publishing helped to offset losses in motor vehicles and equipment and metalworking machinery.

Nonfarm employment in the Cincinnati area continued to recover from the economic downturn of the early 1980's, although at a slower rate of growth. Gains in nonmanufacturing contributed most to the recovery. Continued increases in services and retail trade were primarily responsible. Between 1983 and 1986, manufacturing recovered 22.9 percent of jobs lost during the recessionary period, but remains below the 1979 level. Employment in fabricated metal products and transportation equipment continued to decline, and previous gains realized in nonelectrical machinery and electric and electronic equipment were lost in 1986. (See table, page 51, bottom.)


CINCINNATI MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Cincinnati Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	550.0	516.0	34.0	6.2	6.5	5.9
1972	561.0	529.0	32.0	5.7	5.5	5.6
1973	572.0	543.0	29.0	5.1	4.3	4.9
1974	595.3	569.8	25.5	4.3	4.8	5.6
1975	595.3	551.6	43.6	7.3	9.1	8.5
1976	604.8	566.6	38.2	6.3	7.8	7.7
1977	623.4	588.7	34.7	5.6	6.5	7.1
1978	648.3	615.8	32.5	5.0	5.4	6.1
1979	663.4	628.1	35.3	5.3	5.9	5.8
1980	676.2	628.8	47.5	7.0	8.4	7.1
1981	678.5	619.3	59.1	8.7	9.6	7.6
1982	684.3	612.4	71.9	10.5	12.5	9.7
1983	687.6	615.2	72.4	10.5	12.2	9.6
1984	695.9	638.4	57.5	8.3	9.4	7.5
1985	710.6	659.1	51.5	7.2	8.9	7.2
1986	726.5	679.4	47.2	6.5	8.1	7.0

[a] Estimates are based on place of residence.

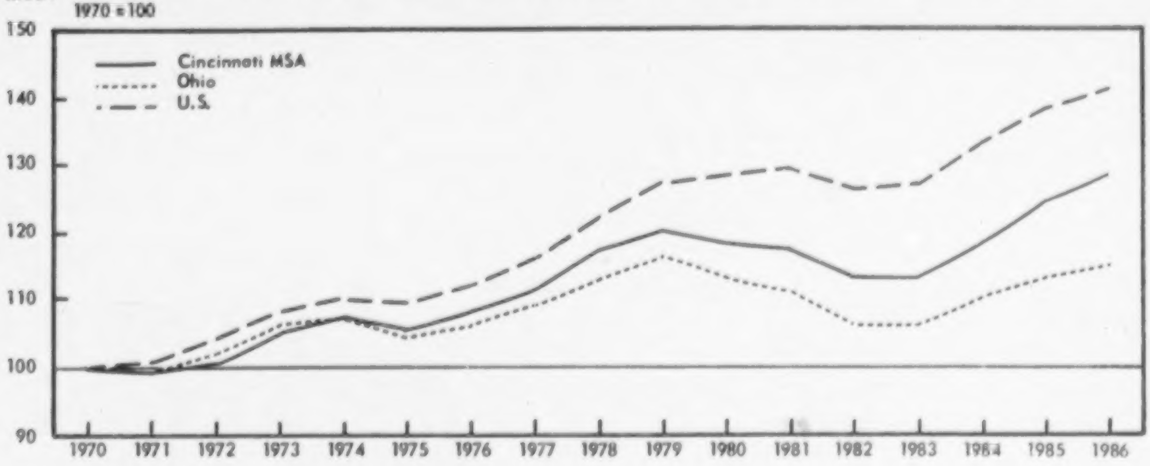
[b] Unemployment as percentage of civilian labor force.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

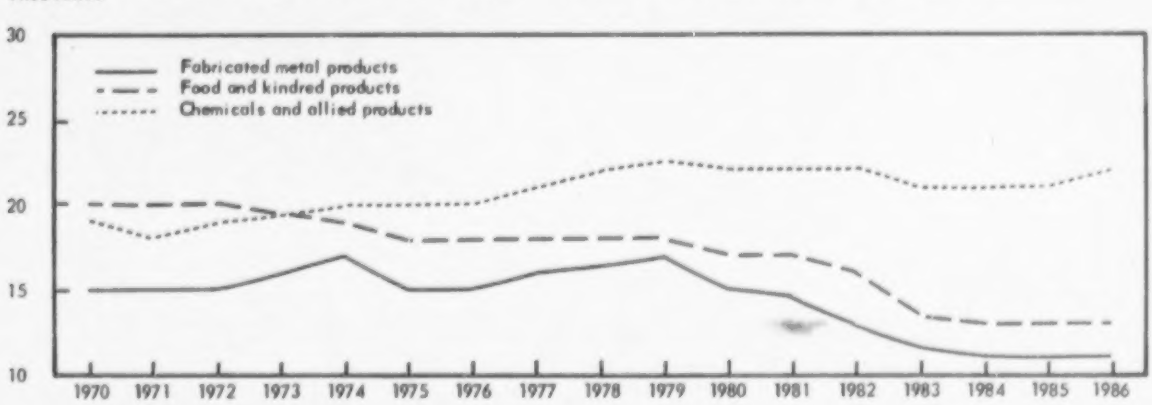
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	607.4	575.6	628.1	-31.8	52.5	46.6	97.6
MANUFACTURING	173.1	140.4	147.1	-32.7	6.7	17.3	13.7
Durable Goods	98.7	77.0	82.8	-21.7	5.8	8.2	11.5
Fabricated metal products	16.7	11.5	10.9	- 5.2	- .6	-	15.4
Machinery, except electrical	26.7	19.4	21.6	-7.3	2.2	30.1	6.3
Metalworking machinery	12.9	9.6	9.6	-3.3	.0	-	13.4
Electric and electronic equipment	9.4	8.1	7.9	-1.3	-	-	1.2
Transportation equipment	27.4	24.0	27.60	-3.4	3.6	105.8	63.4
Motor vehicles and equipment	12.7	9.2	10.0	-3.5	.8	22.8	32.5
Nondurable Goods	74.5	63.4	64.3	-11.1	.9	47.6	23.0
Food and kindred products	17.9	13.5	12.9	-4.4	- .6	-	-
Printing and publishing	13.0	11.6	12.5	-1.4	.9	64.3	119.5
Chemicals and allied products	22.5	21.2	21.2	-1.3	.0	-	-
CONSTRUCTION	27.4	20.4	23.5	-7.0	3.1	47.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	34.2	31.4	33.8	-2.8	2.4	85.7	20.9
Communication, electric, gas services.	13.2	14.7	14.8	1.5	.1	+	-
WHOLESALE TRADE	37.8	36.5	41.1	-1.3	4.6	353.8	228.7
RETAIL TRADE	102.2	104.7	118.3	2.5	13.6	+	348.7
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.8	35.7	.7	2.9	+	+
SERVICES	117.4	129.7	147.1	12.3	17.4	+	+
GOVERNMENT	82.8	79.2	81.2	-3.6	2.0	55.6	132.6
Federal government	13.3	12.4	13.2	- .9	.8	88.8	260.1
State government	17.6	17.8	18.3	.2	.5	+	+
Local government	51.8	49.0	49.7	-2.8	.7	25.0	59.1

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

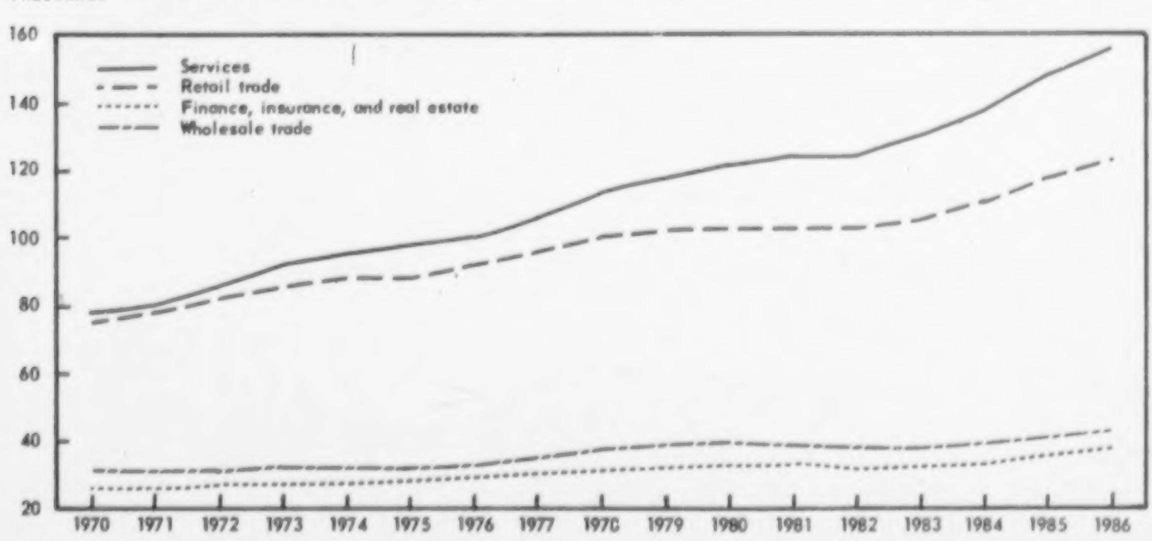
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CINCINNATI MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CINCINNATI MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	651.2	630.1	629.5	633.2	644.9	649.0	654.5	652.6	655.3	663.3	665.5	667.5	669.1
MANUFACTURING	147.9	148.5	147.8	147.0	147.0	144.2	147.9	147.5	148.7	149.3	149.2	149.4	148.6
Durable Goods[b]	82.2	83.5	82.9	82.2	82.1	79.0	82.2	82.0	82.4	82.7	82.6	82.7	82.6
Fabricated metal products	10.8	10.7	10.8	10.8	10.8	10.7	10.6	10.5	10.9	11.0	10.9	11.1	11.1
Fabricated structural metal products	4.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	4.0	4.1	4.1	4.2	4.3
Machinery, except electrical	21.0	21.6	21.5	21.4	21.4	21.3	21.3	21.0	20.8	20.6	20.5	20.3	20.1
Metalworking machinery	8.9	9.5	9.4	9.4	9.2	9.1	9.0	8.9	8.8	8.7	8.6	8.5	8.3
General industrial machinery	2.9	3.1	3.0	2.9	3.0	2.9	3.0	3.0	2.9	2.8	2.8	2.7	2.7
Electric and electronic equipment	7.7	7.9	7.9	7.9	7.7	7.7	7.5	7.6	7.7	7.7	7.7	7.6	7.4
Transportation equipment	28.1	28.8	28.4	27.6	27.7	24.9	28.0	28.3	28.3	28.5	28.6	28.9	29.2
Motor vehicles and equipment	8.5	9.8	9.7	8.7	8.7	5.8	8.6	8.6	8.4	8.4	8.4	8.5	8.7
Nondurable Goods[c]	65.7	65.0	64.9	64.8	64.9	65.2	65.7	65.5	66.3	66.5	66.6	66.6	66.0
Food and kindred products	13.0	12.7	12.7	12.7	12.7	12.9	13.1	13.1	13.3	13.2	13.2	13.2	13.2
Beverages	3.9	3.8	3.8	3.8	3.7	3.9	4.0	4.1	4.1	4.0	4.0	4.0	3.9
Apparel and other textile products	3.4	3.5	3.3	3.5	3.4	3.4	3.3	3.3	3.5	3.5	3.6	3.6	3.5
Paper and allied products	6.2	6.0	6.0	6.1	6.0	6.0	6.0	6.2	6.3	6.4	6.5	6.5	6.5
Printing and publishing	13.0	13.0	13.0	12.7	13.0	13.0	13.1	13.0	13.0	13.0	13.1	13.2	13.0
Commercial printing	5.5	5.6	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.4
Chemicals and allied products	22.1	21.8	21.8	21.9	21.8	21.8	22.0	22.1	22.3	22.4	22.3	22.3	22.3
Rubber and misc. plastics products	5.5	5.5	5.6	5.5	5.3	5.3	5.4	5.3	5.4	5.6	5.5	5.6	5.5
NONMANUFACTURING[d]	503.3	481.7	481.8	486.2	497.9	504.7	506.6	505.0	506.6	514.0	516.4	518.1	520.5
CONSTRUCTION	26.2	22.3	21.6	22.5	24.7	26.0	26.8	27.7	28.4	28.6	29.4	28.9	27.7
TRANSPORTATION AND PUBLIC UTILITIES	33.9	32.9	32.8	33.0	33.4	33.6	33.6	34.5	34.6	34.7	34.9	34.6	34.5
Trucking and warehousing	9.4	8.9	8.8	9.0	9.2	9.2	9.4	9.5	9.6	9.7	9.8	9.7	9.7
Communication, electric, gas services	15.1	14.7	14.7	14.7	14.8	14.8	14.9	15.5	15.5	15.4	15.3	15.3	15.3
WHOLESALE TRADE	42.7	41.8	41.6	41.8	41.9	42.4	42.8	43.1	43.1	43.2	43.4	43.6	43.8
Wholesale trade-durable goods	25.5	25.0	25.0	25.1	25.2	25.4	25.6	25.8	25.7	25.8	25.9	26.0	26.1

See footnotes at end of table.

RS-790-1-3 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	122.8	118.5	116.6	117.4	120.0	121.7	122.7	123.2	124.2	125.1	126.4	127.8	29.9
General merchandise stores	18.9	19.0	17.9	18.0	18.1	18.1	18.4	18.3	18.5	18.9	19.6	20.3	21.4
FINANCE, INSURANCE, AND REAL ESTATE	37.9	36.5	36.5	36.6	37.3	37.9	38.2	38.4	38.5	38.5	38.6	38.8	39.0
Banking	8.1	7.9	8.0	8.0	8.0	8.1	8.1	8.2	8.2	8.2	8.2	8.1	8.2
Insurance carriers	12.4	11.9	12.0	12.0	12.2	12.3	12.4	12.5	12.6	12.6	12.7	12.7	12.7
SERVICES	154.6	145.2	146.6	148.4	153.6	156.1	157.9	158.5	159.1	158.8	156.4	156.8	157.5
Hotels and other lodging places	6.3	5.6	5.7	5.8	6.1	6.4	6.6	6.7	6.8	6.8	6.4	6.3	6.3
Personal services	8.0	7.9	7.9	8.0	8.1	7.8	7.8	8.0	8.0	7.9	8.0	8.1	8.1
Business services	35.3	32.1	32.7	33.2	34.7	35.3	35.7	36.0	36.7	36.9	36.5	36.7	36.6
Amusement and recreation services	8.0	5.3	5.2	5.7	7.9	9.3	10.5	11.0	10.8	9.5	6.8	6.8	7.5
Health services	48.7	47.7	47.9	47.9	48.1	48.3	48.6	48.9	49.0	48.9	49.4	49.6	49.9
Hospitals	23.4	23.1	23.2	23.2	23.2	23.2	23.3	23.5	23.6	23.7	23.7	23.6	23.8
GOVERNMENT	84.8	84.2	85.7	86.2	86.7	86.8	84.2	79.3	78.4	84.9	86.9	87.2	87.7
Federal government	14.1	13.8	14.4	14.5	14.7	14.2	14.0	13.8	13.8	13.8	14.0	14.0	14.1
State government	19.0	18.9	19.6	19.7	19.8	19.4	18.9	17.7	17.3	18.4	19.4	19.5	19.5
State government education	11.2	11.3	12.0	12.1	12.1	11.7	11.0	9.6	9.2	10.4	11.6	11.7	11.5
State government, except education ...	7.8	7.6	7.6	7.6	7.7	7.7	7.9	8.1	8.1	8.0	7.8	7.8	7.9
Local government	51.8	51.5	51.7	52.0	52.2	53.2	51.3	47.8	47.3	52.7	53.6	53.7	54.2
Local government education	29.8	29.9	30.5	30.5	30.5	31.1	28.9	25.2	24.8	30.3	31.6	32.0	32.6
Local government, except education ...	21.9	21.6	21.2	21.5	21.7	22.1	22.4	22.6	22.4	22.3	22.0	21.8	21.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-3 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	628.1	604.7	605.7	612.7	624.1	631.0	632.6	630.1	633.0	638.7	639.2	641.8	643.9
MANUFACTURING	147.1	144.3	144.3	145.2	146.3	147.3	147.6	148.1	148.3	148.5	148.0	149.0	149.0
Durable Goods[b]	82.8	81.4	81.2	82.2	82.6	83.1	83.2	83.3	83.4	83.6	83.3	83.1	83.2
Fabricated metal products	10.9	10.5	10.7	11.0	10.8	11.1	11.1	10.9	10.9	10.9	10.9	10.8	10.7
Fabricated structural metal products	4.0	3.8	3.8	4.1	3.9	4.1	4.1	4.1	4.1	4.2	4.0	4.0	3.9
Machinery, except electrical	21.6	21.6	21.6	21.6	21.8	21.6	21.6	21.6	21.4	21.5	21.7	21.7	21.6
Metalworking machinery	9.6	9.7	9.7	9.7	9.8	9.6	9.6	9.6	9.6	9.6	9.7	9.6	9.6
General industrial machinery	3.0	3.0	3.0	3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Electric and electronic equipment	7.9	8.3	8.2	8.1	7.9	7.9	7.7	7.8	7.8	7.7	7.6	7.7	7.8
Transportation equipment	27.6	26.9	26.8	27.1	27.2	27.4	27.8	27.6	27.8	28.1	28.1	28.4	28.7
Motor vehicles and equipment	10.0	10.2	10.1	10.2	10.1	10.1	10.1	9.9	9.9	9.9	9.8	9.9	10.0
Nondurable Goods[c]	64.3	62.9	63.1	63.0	63.7	64.2	64.4	64.8	64.9	64.9	64.6	65.9	65.7
Food and kindred products	12.9	12.4	12.3	12.4	12.7	12.6	12.8	13.1	13.1	13.0	13.1	13.3	13.4
Beverages	4.1	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.2	4.2	4.0	4.1	4.0
Apparel and other textile products	3.6	3.5	3.5	3.6	3.7	3.7	3.6	3.6	3.5	3.6	3.7	3.7	3.6
Paper and allied products	6.1	5.8	6.0	6.0	6.1	6.1	6.2	6.2	6.1	6.1	6.1	6.1	6.1
Printing and publishing	12.5	12.3	12.4	12.2	12.2	12.5	12.3	12.4	12.5	12.5	12.6	12.9	12.8
Commercial printing	5.4	5.4	5.3	5.3	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.5	5.6
Chemicals and allied products	21.2	20.9	20.8	20.7	20.9	21.1	21.2	21.4	21.4	21.5	20.8	21.7	21.7
Rubber and misc. plastics products	5.4	5.4	5.4	5.4	5.3	5.3	5.3	5.4	5.4	5.4	5.4	5.4	5.5
NONMANUFACTURING[d]	481.0	460.4	461.3	467.5	477.8	483.7	485.1	482.0	484.6	490.3	491.3	492.8	495.0
CONSTRUCTION	23.5	19.8	19.2	20.9	22.4	23.7	24.2	25.0	25.7	25.5	25.7	25.1	24.5
TRANSPORTATION AND PUBLIC UTILITIES	33.8	32.7	32.9	33.3	33.9	33.9	34.1	33.9	33.6	34.3	34.4	34.2	34.1
Trucking and warehousing	9.7	9.2	9.2	9.5	9.7	9.8	9.9	10.0	9.6	10.1	10.0	10.0	10.0
Communication, electric, gas services	14.8	14.7	14.7	14.7	14.7	14.7	14.8	14.9	14.9	14.8	14.8	14.7	14.7
WHOLESALE TRADE	41.1	40.1	40.2	40.4	40.6	41.1	41.0	41.3	41.4	41.4	41.7	41.8	41.9
Wholesale trade-durable goods	24.5	23.9	24.0	24.0	24.2	24.5	24.4	24.7	24.7	24.6	24.9	24.8	24.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI PMSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	118.3	114.7	113.0	114.6	116.0	117.7	117.9	118.9	119.3	119.7	120.5	122.6	124.3
General merchandise stores	18.9	19.4	18.5	19.0	18.5	18.5	18.3	18.2	18.1	18.3	18.8	19.9	20.9
FINANCE, INSURANCE, AND REAL ESTATE	35.7	34.2	34.5	34.5	34.9	35.5	35.7	36.3	36.4	36.4	36.3	36.6	36.8
Banking	7.7	7.5	7.6	7.5	7.6	7.7	7.8	7.9	7.9	7.9	7.8	7.8	7.9
Insurance carriers	11.5	11.0	11.1	11.2	11.3	11.4	11.5	11.7	11.8	11.8	11.8	11.9	12.0
SERVICES	147.1	137.9	139.8	141.9	147.0	148.7	150.7	151.6	152.3	151.5	148.9	147.6	147.8
Hotels and other lodging places	6.0	5.6	5.6	5.7	6.0	6.2	6.3	6.4	6.3	6.2	6.0	6.0	5.9
Personal services	7.5	7.3	7.3	7.4	7.7	7.7	7.6	7.6	7.6	7.6	7.5	7.6	7.7
Business services	32.3	29.6	30.3	31.0	31.8	32.1	32.6	32.8	33.5	33.7	33.4	33.4	33.3
Amusement and recreation services	8.0	5.0	5.1	5.5	8.2	8.9	10.3	10.9	10.9	9.5	7.8	6.4	7.0
Health services	46.7	46.0	46.1	46.1	46.2	46.5	47.0	47.5	47.6	47.4	46.8	46.8	46.8
Hospitals	23.0	23.0	23.0	22.9	22.8	22.9	23.2	23.3	23.2	23.1	22.9	22.9	23.0
GOVERNMENT	81.2	80.7	81.4	81.6	82.5	82.6	81.0	74.7	75.6	81.0	83.4	84.4	85.3
Federal government	13.2	12.8	13.2	13.2	13.5	13.1	13.1	13.0	13.1	13.3	13.3	13.4	13.9
State government	18.3	18.2	18.7	18.7	18.9	18.5	17.9	16.8	16.6	17.7	19.1	19.2	19.2
State government education	10.9	10.9	11.4	11.4	11.6	11.2	10.5	9.2	9.1	10.3	11.8	11.8	11.6
State government, except education ...	7.4	7.3	7.3	7.3	7.3	7.3	7.4	7.5	7.5	7.4	7.3	7.3	7.6
Local government	49.7	49.7	49.5	49.7	50.1	51.1	50.0	44.9	45.9	50.0	51.1	51.8	52.2
Local government education	28.1	28.4	28.7	28.6	29.0	29.8	27.9	22.7	24.1	28.0	29.2	30.0	30.6
Local government, except education ...	21.6	21.3	20.9	21.0	21.2	21.3	22.1	22.2	21.8	22.0	21.9	21.8	21.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-3 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$10.76	$10.70	$10.78	$10.75	$10.67	$10.61	$10.64	$10.67	$10.73	$10.80	$10.80	$10.96	$10.98
Durable Goods[b]	10.84	10.78	10.86	10.73	10.75	10.51	10.67	10.74	10.77	10.94	10.96	11.16	11.13
Fabricated metal products	9.47	9.50	9.23	9.41	9.42	9.40	9.40	9.56	9.55	9.55	9.55	9.55	9.47
Fabricated structural metal products	9.90	9.90	9.62	9.85	9.93	9.72	9.86	10.13	10.13	9.95	10.00	10.00	9.69
Machinery, except electrical	9.92	9.74	9.86	9.94	9.95	10.03	9.83	9.91	9.96	9.95	10.00	10.00	9.88
Metalworking machinery	10.86	10.53	10.75	10.81	10.93	11.14	10.71	10.92	10.89	10.81	10.91	11.10	10.91
General industrial machinery	9.31	8.95	9.04	9.25	9.52	9.43	9.20	9.33	9.38	9.47	9.43	9.37	9.32
Electric and electronic equipment	8.85	8.93	8.93	8.94	8.83	8.80	8.76	8.63	8.60	8.96	8.84	8.98	8.95
Transportation equipment	14.40	14.12	14.24	14.17	14.23	14.07	14.10	14.22	14.38	14.58	14.63	15.01	14.86
Motor vehicles and equipment	15.42	15.30	15.43	15.52	15.64	15.92	15.28	14.87	15.28	15.39	15.51	15.49	15.51
Nondurable Goods[c]	10.68	10.61	10.69	10.78	10.59	10.71	10.61	10.59	10.69	10.63	10.62	10.76	10.81
Food and kindred products	10.95	10.88	10.83	10.84	10.76	10.90	10.83	10.98	11.00	11.08	10.92	11.14	11.24
Beverages	12.14	12.05	12.07	12.01	12.14	12.03	12.15	12.22	12.12	12.25	12.10	12.12	12.40
Apparel and other textile products	5.58	5.50	5.55	5.55	5.63	5.68	5.62	5.51	5.68	5.69	5.51	5.59	5.51
Paper and allied products	9.82	9.51	9.66	9.65	9.82	9.78	9.86	9.95	9.87	9.82	9.87	10.00	9.95
Printing and publishing	11.26	11.12	10.98	11.28	11.18	11.19	11.16	11.26	11.33	11.43	11.39	11.43	11.38
Commercial printing	11.79	11.74	11.43	11.93	11.71	11.74	11.68	11.77	11.88	11.96	11.85	11.91	11.87
Chemicals and allied products	12.32	12.33	12.50	12.57	12.25	12.33	12.22	12.05	12.44	12.08	12.25	12.44	12.35
Rubber and misc. plastics products	9.07	9.12	8.84	9.01	8.55	9.41	9.03	9.14	8.99	9.14	9.17	9.16	9.13
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.06	12.90	12.81	12.95	12.86	13.03	13.01	13.08	12.94	13.25	13.28	13.28	13.27
WHOLESALE TRADE	9.41	9.41	9.32	9.35	9.37	9.44	9.50	9.48	9.41	9.43	9.39	9.41	9.44
RETAIL TRADE[d]	5.53	5.43	5.47	5.47	5.49	5.47	5.52	5.50	5.51	5.59	5.62	5.61	5.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-3 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$42.1	$41.8	$41.3	$41.8	$41.4	$41.9	$41.7	$41.7	$42.2	$42.3	$42.5	$43.3	$43.0
Durable Goods[b]	42.3	41.9	41.7	42.0	41.9	42.2	42.0	41.5	42.0	42.6	42.7	43.4	43.6
Fabricated metal products	42.2	41.9	39.7	41.9	40.9	41.1	41.3	42.7	44.1	43.1	43.1	43.2	42.8
Fabricated structural metal products	43.3	43.8	37.7	43.5	41.9	42.1	42.2	46.6	47.2	44.6	43.9	43.6	42.5
Machinery, except electrical	42.4	41.8	41.6	42.9	42.9	43.2	42.0	41.5	42.2	42.2	42.4	43.4	43.1
Metalworking machinery	42.7	40.8	42.4	44.0	42.5	43.1	41.2	41.2	43.7	42.9	43.6	44.0	43.9
General industrial machinery	42.5	40.8	40.0	43.4	44.5	44.1	41.6	41.0	41.7	42.5	42.9	44.2	43.8
Electric and electronic equipment	40.7	41.4	39.8	41.0	40.1	40.4	41.6	39.5	39.7	41.2	40.9	41.1	41.2
Transportation equipment	44.8	43.7	45.5	43.9	44.5	45.3	44.2	43.6	43.4	45.4	45.1	46.2	46.9
Motor vehicles and equipment	44.2	45.4	45.5	43.7	44.5	47.1	44.2	40.7	42.0	44.8	44.4	44.3	44.8
Nondurable Goods[c]	41.8	41.7	40.8	41.6	40.7	41.7	41.4	41.9	42.4	41.9	42.3	43.2	42.4
Food and kindred products	42.6	41.5	40.5	40.9	41.4	43.0	42.3	44.4	44.1	43.6	42.8	43.3	43.7
Beverages	42.4	42.3	40.4	40.5	41.2	41.9	41.7	44.1	43.5	44.2	42.9	41.4	43.9
Apparel and other textile products	37.5	38.8	36.6	38.8	37.7	37.5	36.3	35.9	36.4	36.7	38.8	39.2	37.4
Paper and allied products	41.1	41.6	41.6	40.5	40.8	39.9	40.2	40.9	40.6	41.4	41.4	42.7	41.5
Printing and publishing	39.4	39.4	39.1	39.7	38.6	38.8	38.5	39.2	39.2	39.8	40.1	40.4	40.0
Commercial printing	42.4	42.8	42.1	42.9	41.4	40.1	39.7	41.7	42.3	43.5	44.4	43.9	44.4
Chemicals and allied products	42.8	42.5	42.3	43.5	42.0	42.8	42.6	42.3	43.5	42.2	42.7	44.3	42.7
Rubber and misc. plastics products	46.2	47.4	44.3	46.5	40.8	46.7	46.6	46.1	47.3	46.2	46.6	47.2	48.0
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	39.8	39.3	39.0	40.2	39.8	39.5	39.6	40.3	39.8	39.9	39.9	40.1	40.1
WHOLESALE TRADE	40.6	40.5	40.1	40.3	40.5	40.6	40.6	41.3	40.4	40.8	40.7	41.1	40.6
RETAIL TRADE	29.2	29.0	28.4	28.8	29.2	29.2	29.8	29.8	29.8	29.3	28.8	28.8	29.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-3 (1986)

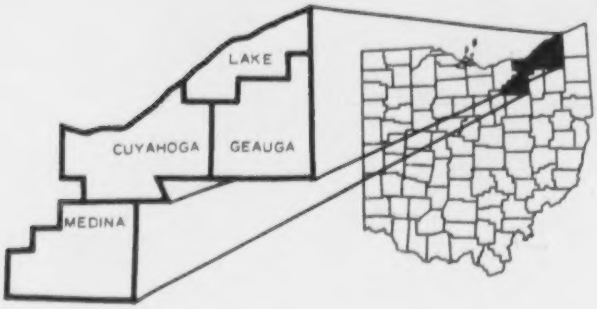
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$453.00	$447.26	$445.21	$449.35	$441.74	$444.56	$443.69	$444.94	$452.81	$456.84	$459.00	$474.57	$472.14
Durable Goods[b]	458.53	451.68	452.86	450.66	450.43	443.52	448.14	445.71	452.34	466.04	467.99	484.34	485.27
Fabricated metal products	399.63	398.05	366.43	394.28	385.28	386.34	388.22	408.21	421.16	411.61	411.61	412.56	405.32
Fabricated structural metal products	428.67	433.62	362.67	428.48	416.07	409.21	416.09	472.06	478.14	443.77	439.00	436.00	411.83
Machinery, except electrical	420.61	407.13	410.18	426.43	426.86	433.30	412.86	411.27	420.31	419.89	424.00	434.00	425.83
Metalworking machinery	463.72	429.62	455.80	475.64	464.53	480.13	441.25	449.90	475.89	463.75	475.68	488.40	478.95
General industrial machinery	395.68	365.16	361.60	401.45	423.64	415.86	382.72	382.53	391.15	402.48	404.55	414.15	408.22
Electric and electronic equipment	360.20	369.70	355.41	366.54	354.08	355.52	364.42	340.89	341.42	369.15	361.56	369.08	368.74
Transportation equipment	645.12	617.04	647.92	622.06	633.24	637.37	623.22	619.99	624.09	661.93	659.81	693.46	696.93
Motor vehicles and equipment	681.56	694.62	702.07	678.22	695.98	749.83	675.38	605.21	641.76	689.47	688.64	686.21	694.85
Nondurable Goods[c]	446.42	442.44	436.15	448.45	431.01	446.61	439.25	443.72	453.26	445.40	449.23	464.83	458.34
Food and kindred products	466.47	451.52	438.62	443.36	445.46	468.70	458.11	487.51	485.10	483.09	467.38	482.36	491.19
Beverages	514.74	509.72	487.63	486.41	500.17	504.06	506.66	538.90	527.22	541.45	519.09	501.77	544.36
Apparel and other textile products	209.25	213.40	203.13	215.34	212.25	213.00	204.01	197.81	206.75	208.82	213.79	219.13	206.07
Paper and allied products	403.60	395.62	401.86	390.83	400.66	390.22	396.37	406.96	400.72	406.55	408.62	427.00	412.93
Printing and publishing	443.64	438.13	429.32	447.82	431.55	434.17	429.66	441.39	444.14	454.91	456.74	461.77	455.20
Commercial printing	499.90	502.47	481.20	511.80	484.79	470.77	463.70	490.81	502.52	520.26	526.14	522.85	527.03
Chemicals and allied products	527.30	524.03	528.75	546.80	514.50	527.72	520.57	509.72	541.14	509.78	523.08	551.09	527.35
Rubber and misc. plastics products	419.03	432.29	391.61	418.97	348.84	439.45	420.80	421.35	425.23	422.27	427.32	432.35	438.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	519.79	506.97	499.59	520.59	511.83	514.69	515.20	527.12	515.01	528.68	529.87	532.53	532.13
WHOLESALE TRADE	382.05	381.11	373.73	376.81	379.49	383.26	385.70	391.52	380.16	384.74	382.17	386.75	383.26
RETAIL TRADE[d]	161.48	157.47	155.35	157.54	160.31	159.72	164.50	163.90	164.20	163.79	161.86	161.57	164.96
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	249.22	241.18	247.29	252.49	248.47	249.10	222.48	254.18	250.95	253.20	256.07	258.81	256.54

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-3 (1986)

CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA

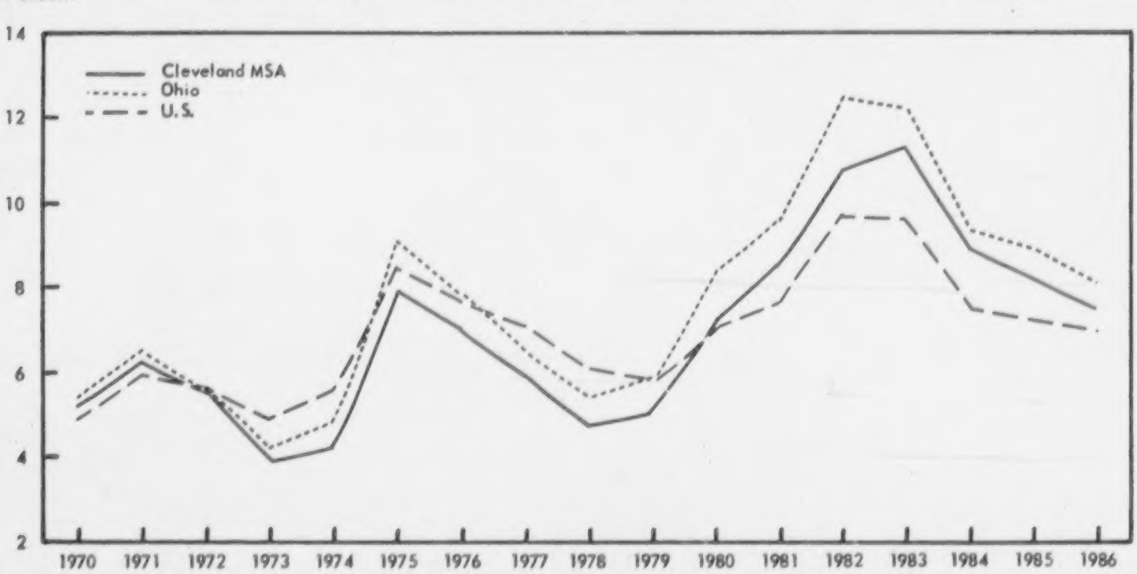


The estimated annual average civilian labor force in the Cleveland metropolitan area, based on place of residence, increased 8,300 from 1985, to 934,300 in 1986. Total employment rose 14,900 over the year, while unemployment declined 6,600. The unemployment rate dropped from 8.3 percent in 1985 to 7.5 percent in 1986. (See table, page 61, top.)

Nonagricultural wage and salary employment increased 12,100 over the year, to 880,800. The basis for continued recovery in the Cleveland area was an increase of 17,800 jobs in nonmanufacturing. This growth was concentrated in services: business services increased 4,500; health services, 4,200. Retail trade advanced 5,100. Although printing and publishing and chemicals and allied products registered slight gains, the decline in manufacturing employment accelerated as all other sectors lost jobs. Significant reductions occurred in nonelectrical machinery, primary metal industries, and fabricated metal products.

Nonfarm employment continued its post-recession expansion. However, the 1986 employment level remains 39,000 below that of 1979. Growth in services and retail trade contributed most to the recovery, although all nonmanufacturing divisions increased since 1983. Manufacturing gains realized in 1984 and 1985 were negated as reductions in 1986 dropped employment below the 1983 level. All durable-goods industries reflected the downturn except fabricated metal products. Primary metal industries, electric and electronic equipment, and motor vehicles and equipment showed the greatest losses. (See table, page 61, bottom.)

CLEVELAND MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.) Cleveland Primary Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				PMSA	Ohio	U.S.
1971	866.7	811.7	55.0	6.3	6.5	5.9
1972	873.2	825.2	47.8	5.5	5.5	5.6
1973	883.9	849.0	34.9	3.9	4.3	4.9
1974	899.1	861.4	37.7	4.2	4.8	5.6
1975	896.9	826.3	70.6	7.9	9.1	8.5
1976	897.7	834.4	63.3	7.0	8.6	7.7
1977	908.5	854.4	54.0	5.9	6.5	7.1
1978	921.7	873.5	43.2	4.7	5.4	6.1
1979	935.8	889.1	46.7	5.0	5.9	5.8
1980	937.1	869.1	68.0	7.3	8.4	7.1
1981	933.9	854.0	79.8	8.5	9.6	7.6
1982	933.4	833.2	100.2	10.7	12.5	9.7
1983	928.7	823.4	105.3	11.3	12.2	9.6
1984	923.6	841.0	82.6	8.9	9.4	7.5
1985	926.0	849.2	76.8	8.3	8.9	7.2
1986	934.3	864.1	70.2	7.5	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

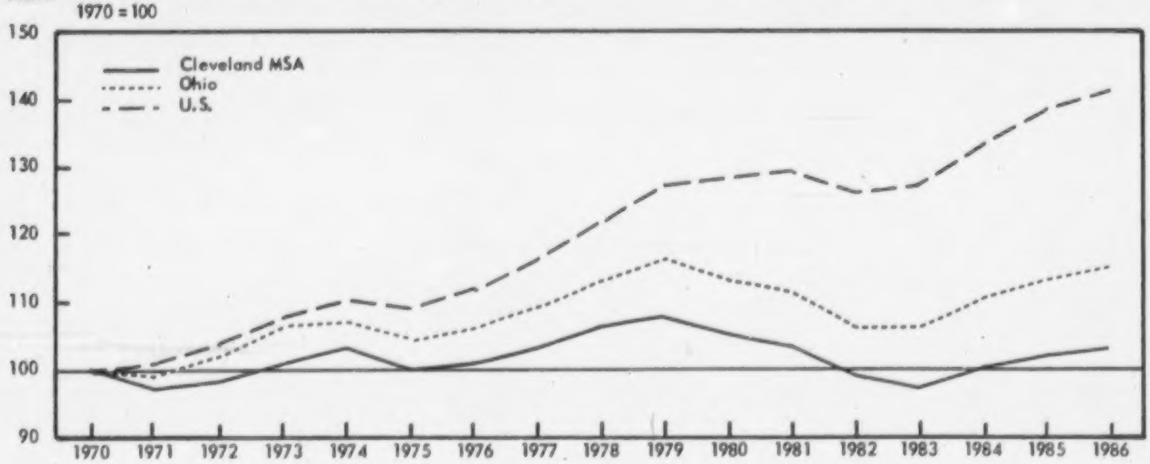
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	PMSA	Ohio
TOTAL	919.8	829.8	880.8	-90.0	51.0	56.9	97.6
MANUFACTURING	276.3	207.3	205.5	-69.0	- 1.8	-	13.7
Durable goods	205.1	143.9	141.3	-61.2	- 2.6	-	11.5
Primary metal industries	31.6	24.1	21.3	- 7.5	- 2.8	-	-
Fabricated metal products	45.5	31.1	32.5	-14.4	1.4	9.7	15.4
Machinery, except electrical	50.7	30.9	30.8	-19.8	- .1	-	6.3
Electric and electronic equipment	26.5	21.3	19.5	- 5.2	- 1.8	-	1.2
Transportation equipment	31.8	20.3	19.5	-11.5	- .8	-	63.4
Motor vehicles and equipment	24.0	13.9	12.3	-10.1	- 1.6	-	32.5
Nondurable Goods	71.2	63.4	64.2	- 7.8	.8	10.4	23.0
CONSTRUCTION	33.5	25.3	25.9	- 8.2	.6	7.3	57.6
TRANSPORTATION AND PUBLIC UTILITIES	47.8	40.9	41.3	- 6.9	.4	5.8	20.9
Communication, electric, gas services	18.9	19.4	18.8	.5	- .6	-	-
WHOLESALE TRADE	65.3	58.9	62.3	- 6.4	3.4	53.1	228.7
RETAIL TRADE	146.8	135.9	151.6	-10.9	15.7	144.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	47.9	48.4	51.9	.5	3.5	+	+
SERVICES	182.5	195.7	224.4	13.2	28.7	+	+
GOVERNMENT	118.2	116.1	116.8	- 2.1	.7	33.3	132.6

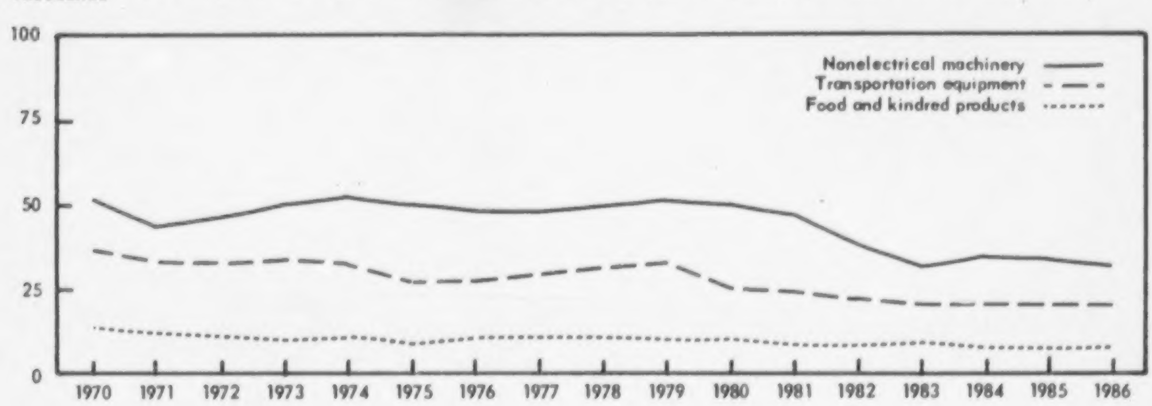
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

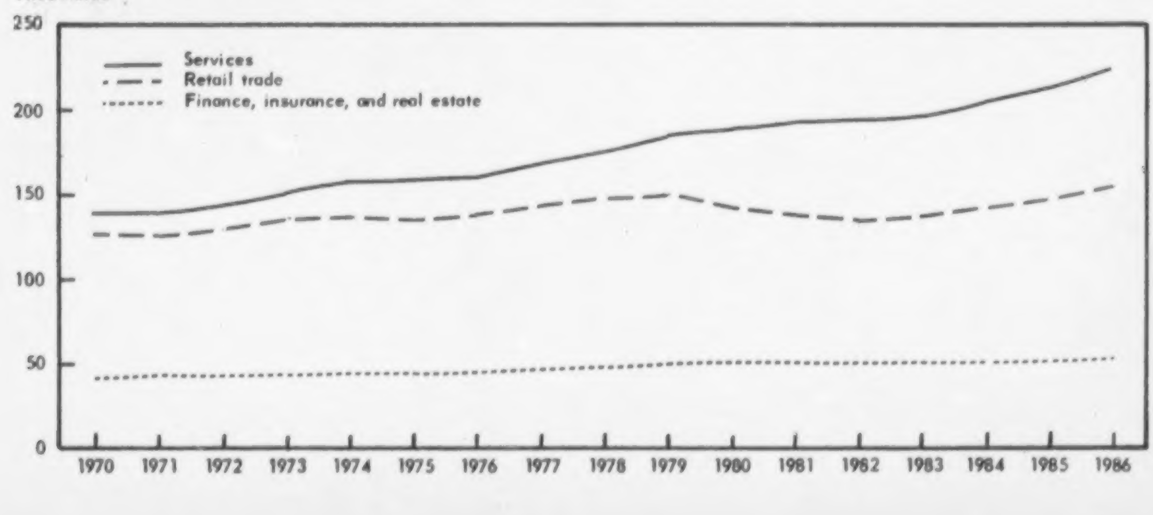
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



CLEVELAND MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



CLEVELAND MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	880.8	859.3	857.0	860.7	874.0	880.6	890.8	889.6	887.6	889.4	890.6	893.9	896.5
MANUFACTURING	205.5	206.8	205.5	205.6	206.3	206.1	207.4	204.7	204.1	205.5	203.8	205.2	205.4
Durable Goods[b]	141.3	143.1	142.2	142.3	142.7	142.3	142.4	140.2	139.5	140.8	139.3	140.3	140.5
Primary metal industries	21.3	21.6	21.5	21.6	21.5	21.5	21.4	21.0	21.0	21.2	21.0	21.3	21.3
Iron and steel foundries	5.5	5.6	5.7	5.6	5.6	5.6	5.4	5.4	5.3	5.4	5.3	5.4	5.4
Fabricated metal products	32.5	32.7	32.3	32.4	32.6	32.6	32.7	32.0	32.3	32.7	32.4	32.4	32.6
Fabricated structural metal products	3.8	3.8	3.6	3.6	3.6	3.9	3.9	3.9	3.8	3.9	3.8	3.8	3.9
Screw machine products, bolts, etc.	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.7	4.7	4.7	4.6	4.6
Metal forgings and stampings	11.0	11.2	11.1	11.2	11.2	11.1	11.0	10.6	10.8	11.0	11.0	11.1	11.3
Machinery, except electrical	30.8	31.4	31.0	31.0	31.1	30.9	30.9	30.8	30.6	30.7	30.5	30.5	30.6
Construction and related machinery	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.5
Metalworking machinery	10.1	10.4	10.1	10.1	10.1	10.1	10.2	10.2	10.2	10.0	10.0	9.9	10.1
Special industry machinery	3.4	3.5	3.4	3.4	3.3	3.3	3.2	3.4	3.4	3.4	3.4	3.5	3.5
General industrial machinery	2.9	2.9	3.0	2.9	2.9	2.9	3.0	2.9	2.8	2.9	2.9	2.9	2.9
Electric and electronic equipment	19.5	20.0	20.1	19.9	19.6	19.5	19.4	19.4	19.2	19.1	19.1	19.2	19.1
Electrical industrial apparatus	6.8	7.0	7.0	7.0	6.8	6.9	6.9	6.8	6.8	6.5	6.5	6.5	6.5
Transportation equipment	19.5	19.9	19.8	19.9	20.0	19.9	19.9	19.2	18.4	19.3	18.7	19.4	19.5
Motor vehicles and equipment	12.3	12.6	12.6	12.6	12.6	12.6	12.6	11.9	11.4	12.2	11.6	12.4	12.5
Instruments and related products	7.6	7.9	7.7	7.7	7.8	7.8	7.8	7.6	7.5	7.5	7.3	7.2	7.2
Measuring and controlling devices	4.3	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3	4.3
Nondurable Goods[c]	64.2	63.7	63.4	63.4	63.6	63.8	64.9	64.5	64.6	64.7	64.5	64.9	64.9
Food and kindred products	6.6	6.5	6.5	6.5	6.6	6.6	6.7	6.7	6.6	6.7	6.7	6.8	6.9
Apparel and other textile products	4.4	4.7	4.5	4.5	4.4	4.4	4.4	4.3	4.2	4.3	4.3	4.4	4.4
Paper and allied products	5.4	5.4	5.4	5.4	5.3	5.4	5.3	5.3	5.4	5.4	5.4	5.5	5.5
Printing and publishing	16.4	16.0	15.9	16.0	16.0	15.9	16.6	16.7	16.8	16.6	16.8	16.7	16.6
Chemicals and allied products	14.4	14.2	14.2	14.1	14.4	14.4	14.7	14.8	14.7	14.5	14.4	14.3	14.6
Rubber and misc. plastics products	11.8	11.8	11.8	11.8	11.7	11.8	11.9	11.4	11.6	11.9	11.8	12.1	11.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	675.3	652.6	651.4	655.1	667.6	674.4	683.4	684.9	683.5	683.9	686.7	688.7	691.1
CONSTRUCTION	25.9	23.0	22.0	22.4	24.4	26.2	27.3	28.0	28.4	28.4	28.0	27.0	25.1
TRANSPORTATION AND PUBLIC UTILITIES	41.3	40.3	40.4	40.7	40.9	41.0	41.4	41.3	41.6	41.8	41.9	42.0	42.5
Trucking and warehousing	11.4	11.0	11.0	11.2	11.1	11.2	11.3	11.2	11.4	11.5	11.6	11.9	12.5
Communication, electric, gas services	18.8	18.7	18.7	18.7	18.6	18.6	18.6	18.8	19.0	18.9	18.8	18.8	18.8
WHOLESALE TRADE	62.3	62.1	61.8	61.8	62.5	62.4	62.7	62.4	62.5	62.3	62.3	62.4	62.5
Wholesale trade-durable goods	43.4	43.6	43.3	43.2	43.7	43.6	43.5	43.4	43.4	43.3	43.3	43.3	43.4
RETAIL TRADE	151.6	147.4	145.3	145.8	148.4	150.3	152.9	152.7	153.3	153.4	154.0	155.9	159.5
General merchandise stores	20.4	21.0	19.8	19.2	19.4	19.8	19.9	19.9	20.0	20.2	20.7	21.8	22.9
FINANCE, INSURANCE, AND REAL ESTATE	51.9	49.8	50.0	50.4	50.9	51.4	52.3	52.9	53.2	53.1	52.9	53.0	53.4
Banking	13.0	12.8	12.8	12.9	12.8	12.9	13.0	13.2	13.2	13.1	13.0	13.1	13.2
Credit agencies other than banks	8.5	8.0	8.0	8.1	8.2	8.4	8.5	8.8	8.9	8.8	8.8	8.8	8.9
Insurance carriers	12.5	11.9	12.1	12.2	12.3	12.4	12.6	12.8	12.9	12.9	12.8	12.8	12.9
SERVICES	224.4	214.2	215.1	216.9	223.6	225.4	227.5	226.0	226.1	229.2	229.7	229.7	229.2
Business services	49.7	47.1	47.3	47.7	49.4	49.3	50.3	50.0	50.7	51.5	51.0	51.0	51.3
Amusement and recreation services	8.1	6.1	6.1	6.7	7.9	9.2	9.8	10.1	10.2	9.7	7.9	7.2	6.8
Health services	71.5	69.0	69.2	69.4	70.7	71.1	71.8	72.3	72.5	72.6	72.9	73.1	73.2
Hospitals	40.7	38.8	38.8	38.9	40.3	40.5	40.7	41.2	41.4	41.9	42.0	42.2	42.3
GOVERNMENT	116.8	114.6	115.7	116.0	115.9	116.5	118.2	120.3	117.3	114.5	116.8	117.7	117.8
Federal government	20.1	20.1	19.9	19.8	20.0	20.0	20.1	20.2	20.2	20.2	20.2	20.1	20.2
State government	8.1	7.9	8.1	8.1	8.5	7.9	8.3	8.0	7.8	7.6	8.2	8.0	8.5
State government education	2.9	3.0	3.1	3.2	3.1	2.9	3.0	2.6	2.3	2.4	3.1	3.0	3.3
State government, except education	5.2	5.0	4.9	5.0	5.3	5.0	5.3	5.4	5.5	5.2	5.1	5.0	5.2
Local government	88.6	86.5	87.6	88.1	87.4	88.6	89.8	92.1	89.2	86.7	88.4	89.5	89.2
Local government education	42.5	42.0	43.3	43.6	42.8	43.1	42.6	42.1	39.5	41.1	42.9	43.8	43.6
Local government, except education	46.1	44.5	44.4	44.6	44.6	45.5	47.2	50.0	49.7	45.6	45.5	45.7	45.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-4 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	868.7	848.4	845.3	851.4	861.4	870.8	877.1	877.5	875.7	876.3	877.8	880.0	882.6
MANUFACTURING	211.2	212.9	212.1	212.3	211.3	211.9	212.2	211.0	210.4	210.4	210.2	209.9	209.3
Durable Goods[b]	146.3	148.3	147.6	147.7	146.7	147.2	146.9	146.0	145.0	145.3	145.3	145.3	144.8
Primary metal industries	22.3	23.2	23.1	23.1	22.6	22.6	22.5	22.0	21.5	21.6	21.7	21.7	21.7
Iron and steel foundries	5.5	5.8	5.7	5.5	5.4	5.5	5.6	5.6	5.4	5.5	5.5	5.5	5.6
Fabricated metal products	33.2	33.4	33.2	33.2	33.2	33.5	33.4	33.2	33.0	33.1	33.2	33.3	33.2
Fabricated structural metal products	3.8	3.6	3.5	3.5	3.7	3.9	3.9	4.0	4.0	4.0	4.0	4.0	4.0
Screw machine products, bolts, etc.	4.8	4.9	4.8	4.8	4.8	4.8	4.8	4.8	4.7	4.7	4.7	4.7	4.7
Metal forgings and stampings	11.2	11.4	11.4	11.4	11.3	11.4	11.1	10.8	10.7	10.9	11.2	11.3	11.2
Machinery, except electrical	32.9	33.8	33.6	33.7	33.4	33.2	33.1	32.8	32.6	32.5	32.4	32.0	31.8
Construction and related machinery	3.4	4.2	4.1	4.0	3.7	3.5	3.4	3.3	3.2	3.0	2.9	2.9	2.7
Metalworking machinery	10.6	10.7	10.7	10.8	10.7	10.7	10.6	10.6	10.6	10.6	10.6	10.4	10.4
Special industry machinery	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.8	3.7	3.8	3.7	3.7	3.6
General industrial machinery	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	3.0	2.9	2.9	2.9
Electric and electronic equipment	20.0	19.9	19.9	20.0	20.0	19.9	19.8	19.8	20.1	20.1	20.2	20.2	20.2
Electrical industrial apparatus	7.0	7.1	7.1	7.1	7.1	7.0	7.0	6.9	6.8	6.8	6.9	7.0	7.1
Transportation equipment	19.9	20.3	20.2	20.2	20.0	20.1	20.1	20.0	19.5	19.8	19.6	19.7	19.8
Motor vehicles and equipment	12.8	13.2	13.2	13.2	12.9	13.0	12.9	12.7	12.2	12.5	12.3	12.4	12.4
Instruments and related products	7.9	7.9	7.9	7.8	7.8	7.8	7.9	8.1	8.0	8.0	8.0	8.0	8.0
Measuring and controlling devices	4.2	4.2	4.2	4.2	4.1	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.3
Nondurable Goods[c]	64.8	64.7	64.6	64.6	64.6	64.7	65.3	65.0	65.4	65.1	64.9	64.6	64.6
Food and kindred products	6.8	6.9	6.8	6.8	6.7	6.8	6.9	6.8	6.8	6.8	6.8	6.8	6.8
Apparel and other textile products	4.8	4.9	5.0	4.9	4.9	4.9	4.9	4.8	4.7	4.7	4.8	4.7	4.7
Paper and allied products	5.4	5.5	5.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.5
Printing and publishing	16.0	15.8	15.8	15.9	15.9	15.9	16.1	15.9	16.0	15.9	16.1	16.4	16.4
Chemicals and allied products	14.2	14.0	14.1	14.2	14.1	14.2	14.3	14.3	14.6	14.5	14.1	14.0	14.0
Rubber and misc. plastics products	11.8	11.8	11.8	11.6	11.7	11.7	11.8	11.7	11.7	11.8	11.9	11.9	11.9

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND PMSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
NONMANUFACTURING[d]	657.5	635.5	633.2	639.1	650.1	658.9	664.9	666.5	665.3	665.9	667.5	670.2	673.2
CONSTRUCTION	27.5	24.1	23.2	24.0	26.2	27.9	28.9	29.8	30.2	30.4	30.0	28.6	27.2
TRANSPORTATION AND PUBLIC UTILITIES	41.1	40.0	39.8	40.1	40.8	41.4	41.6	41.5	41.7	41.6	41.6	41.8	41.9
Trucking and warehousing	11.3	10.8	10.9	11.0	11.0	11.2	11.2	11.4	11.5	11.5	11.5	11.6	11.8
Communication, electric, gas services	18.5	18.0	18.0	18.1	18.3	18.4	18.6	18.7	18.7	18.6	18.7	18.8	18.7
WHOLESALE TRADE	62.8	62.1	61.9	62.1	62.5	62.8	63.4	62.9	63.1	63.0	63.0	63.0	63.3
Wholesale trade-durable goods	43.9	43.2	43.0	43.2	43.7	44.0	44.3	44.0	44.2	44.1	44.4	44.4	44.6
RETAIL TRADE	146.5	141.7	138.8	140.8	143.0	146.7	147.2	147.1	147.6	147.9	149.4	151.5	156.1
General merchandise stores	20.6	21.7	19.8	19.8	19.9	20.4	20.3	19.8	19.7	20.1	20.7	21.7	23.0
FINANCE, INSURANCE, AND REAL ESTATE	49.5	48.6	48.7	48.7	48.7	48.9	49.8	50.1	50.3	50.1	50.1	50.1	50.3
Banking	12.8	12.7	12.7	12.7	12.6	12.7	12.8	13.0	13.0	12.9	12.8	12.8	12.8
Credit agencies other than banks	8.0	7.9	8.0	8.0	7.9	7.9	8.0	8.1	8.1	8.1	8.1	8.1	8.1
Insurance carriers	11.7	11.1	11.2	11.2	11.5	11.6	11.8	11.8	12.0	12.1	12.0	12.0	12.1
SERVICES	213.2	203.9	204.6	206.8	211.9	214.5	215.7	214.6	215.2	218.4	218.0	217.9	217.2
Business services	45.2	41.7	41.6	42.6	44.2	45.1	45.7	45.5	46.4	48.0	47.2	47.2	47.5
Amusement and recreation services	8.1	7.2	6.5	6.9	7.6	8.7	9.2	9.6	9.5	9.5	8.1	7.4	7.1
Health services	67.3	65.7	65.7	65.7	66.4	66.7	67.4	67.7	67.9	68.2	68.6	68.7	69.0
Hospitals	38.1	37.6	37.7	37.7	37.8	37.9	38.0	38.2	38.4	38.4	38.5	38.6	38.6
GOVERNMENT	115.7	114.0	115.2	115.5	115.9	115.5	117.1	119.3	116.2	113.3	114.4	116.1	116.0
Federal government	19.8	19.4	19.4	19.4	19.9	19.5	19.7	20.0	20.0	19.8	19.8	20.1	20.2
State government	7.9	7.6	7.9	8.1	8.3	7.7	8.2	7.8	7.5	7.4	8.0	7.8	8.2
State government education	2.8	2.6	3.0	3.1	3.0	2.8	3.0	2.6	2.3	2.3	3.1	2.9	3.2
State government, except education	5.0	5.0	4.9	4.9	5.3	4.9	5.2	5.2	5.2	5.1	4.9	4.9	5.0
Local government	88.1	87.0	87.8	88.0	87.7	88.2	89.3	91.6	88.6	86.1	86.6	88.2	87.5
Local government education	42.8	43.0	44.4	44.4	44.0	43.6	42.5	41.9	39.5	41.0	42.5	43.7	43.4
Local government, except education	45.2	44.1	43.4	43.6	43.7	44.6	46.8	49.7	49.2	45.1	44.0	44.6	44.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-4 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.44	$11.34	$11.39	$11.50	$11.45	$11.39	$11.41	$11.25	$11.40	$11.44	$11.41	$11.61	$11.65
Durable Goods[b]	12.05	11.96	12.03	12.18	12.09	11.97	12.03	11.79	11.97	12.03	12.02	12.23	12.26
Primary metal industries	13.55	13.58	13.59	13.65	13.57	13.48	13.36	13.20	13.42	13.57	13.54	13.65	13.93
Iron and steel foundries	16.49	16.70	16.56	16.78	16.53	16.35	15.93	15.69	16.28	16.39	16.49	16.68	17.23
Fabricated metal products	11.68	11.46	11.59	11.74	11.67	11.62	11.72	11.39	11.57	11.69	11.72	11.84	12.09
Fabricated structural metal products..	9.27	9.12	9.23	9.35	9.29	9.12	9.21	9.29	9.32	9.45	9.13	9.23	9.48
Screw machine products, bolts, etc. ..	10.29	10.28	10.09	10.31	10.28	10.21	10.22	10.20	10.38	10.42	10.34	10.43	10.38
Metal forgings and stampings	14.46	14.05	14.45	14.51	14.53	14.46	14.71	14.15	14.34	14.51	14.47	14.56	14.73
Machinery, except electrical	11.01	10.91	11.00	11.20	11.17	10.95	11.07	10.92	11.00	10.83	10.91	11.01	11.09
Construction and related machinery ...	9.60	9.67	9.77	9.61	9.59	9.72	9.95	9.72	9.63	9.54	9.50	9.24	9.19
Metalworking machinery	10.14	10.08	10.07	10.18	10.08	10.10	10.03	10.17	10.07	10.11	10.19	10.26	10.28
Special industry machinery	11.78	11.71	11.76	11.38	11.47	11.62	11.72	12.03	11.88	11.89	11.89	11.99	12.01
General industrial machinery	10.82	10.46	10.58	10.57	10.65	10.68	10.79	10.83	10.90	11.02	11.03	11.09	11.18
Electric and electronic equipment	10.43	10.31	10.47	10.51	10.43	10.38	10.36	10.53	10.28	10.46	10.51	10.47	10.45
Electrical industrial apparatus	10.95	11.08	11.19	11.11	11.02	10.92	10.71	10.86	10.70	10.88	10.95	10.98	10.94
Transportation equipment	15.07	14.90	14.99	15.26	15.12	14.89	14.98	14.63	15.16	15.12	15.05	15.51	15.21
Motor vehicles and equipment	15.81	15.65	15.77	16.07	15.89	15.59	15.69	15.29	15.98	15.83	15.82	16.22	15.87
Instruments and related products	9.85	9.91	9.90	10.04	9.75	9.70	9.65	9.69	9.62	9.82	9.86	10.09	10.12
Measuring and controlling devices	9.65	9.47	9.56	9.79	9.42	9.48	9.54	9.56	9.50	9.63	9.66	10.05	10.07
Nondurable Goods[c]	9.87	9.74	9.72	9.72	9.73	9.84	9.83	9.93	9.95	9.96	9.89	10.03	10.08
Food and kindred products	9.18	9.13	9.08	9.05	9.18	9.23	9.14	9.24	9.26	9.27	9.13	9.29	9.09
Apparel and other textile products	7.80	7.64	7.67	7.58	7.66	7.71	7.68	7.99	8.12	8.02	7.96	7.84	7.78
Paper and allied products	10.63	10.31	10.35	10.36	10.39	10.58	10.63	10.76	10.65	10.96	10.81	10.86	10.90
Printing and publishing	10.72	10.39	10.52	10.61	10.52	10.86	10.72	10.80	10.90	10.70	10.62	10.93	10.99
Chemicals and allied products	11.45	11.26	11.30	11.26	11.44	11.32	11.41	11.38	11.54	11.52	11.51	11.77	11.69
Rubber and misc. plastics products	8.72	8.99	8.66	8.51	8.58	8.66	8.67	8.65	8.59	8.78	8.76	8.82	8.88
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.57	13.23	13.27	13.45	13.32	13.47	13.62	13.66	13.53	13.78	13.83	13.79	13.89
WHOLESALE TRADE	9.80	9.80	9.68	9.67	9.65	9.75	9.75	9.73	9.85	9.85	9.93	9.95	9.96
RETAIL TRADE[d]	6.26	6.20	6.27	6.25	6.27	6.25	6.24	6.21	6.13	6.37	6.34	6.30	6.30
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.09	9.85	9.88	9.90	9.95	9.99	10.05	10.03	10.18	10.25	10.39	10.33	10.29

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-4 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.1	41.8	41.9	42.4	41.9	41.5	42.1	40.6	42.1	42.4	42.1	43.1	43.4
Durable Goods[b]	42.6	42.2	42.5	42.9	42.5	42.1	42.4	40.7	42.6	42.7	42.5	43.7	44.3
Primary metal industries	43.0	42.8	42.8	42.8	42.1	41.9	42.6	39.4	43.5	43.6	43.8	44.7	45.9
Iron and steel foundries	49.1	50.7	49.3	50.2	48.5	48.3	46.9	43.2	49.0	48.4	49.6	51.0	54.0
Fabricated metal products	42.6	41.9	42.0	42.4	42.9	42.4	42.5	40.9	42.5	42.9	42.7	43.4	45.0
Fabricated structural metal products	41.0	40.2	40.0	39.0	43.5	41.5	40.9	40.6	42.3	43.6	40.3	39.0	41.1
Screw machine products, bolts, etc.	42.4	42.8	42.5	42.8	42.7	42.3	42.2	42.1	43.2	41.8	41.7	42.0	42.7
Metal forgings and stampings	45.3	43.7	44.4	45.1	45.3	44.5	45.5	42.7	44.5	45.2	45.2	46.9	49.7
Machinery, except electrical	42.2	41.8	42.4	42.6	42.4	41.9	42.2	40.8	42.5	41.4	41.6	42.8	43.5
Construction and related machinery	44.4	43.6	43.8	42.2	41.8	41.4	45.2	44.8	46.6	45.8	45.6	45.6	46.4
Metalworking machinery	40.6	40.0	39.5	40.2	39.7	40.9	40.4	40.3	40.3	40.3	40.5	42.3	42.2
Special industry machinery	40.9	42.3	43.6	40.8	40.5	40.0	38.7	40.6	41.4	41.4	40.3	39.9	41.0
General industrial machinery	43.3	41.9	43.0	42.1	42.7	44.2	43.9	44.8	42.0	42.3	43.5	45.1	44.4
Electric and electronic equipment	40.0	39.8	40.5	40.5	40.1	39.7	39.7	39.2	39.3	40.7	40.2	40.5	40.3
Electrical industrial apparatus	40.2	40.6	41.0	40.7	40.3	39.9	40.3	39.0	38.8	41.2	40.6	41.5	38.8
Transportation equipment	46.6	46.1	46.1	47.4	46.6	45.8	46.9	44.1	47.6	46.4	45.2	49.0	47.5
Motor vehicles and equipment	46.7	46.1	46.1	47.7	46.6	45.5	47.1	43.2	48.1	46.6	45.4	49.8	47.8
Instruments and related products	41.4	42.7	41.4	43.6	40.5	40.9	39.8	40.3	39.8	41.5	40.8	41.7	43.5
Measuring and controlling devices	41.0	41.9	40.8	42.9	39.6	40.2	39.6	40.8	39.4	41.7	40.9	41.0	43.1
Nondurable Goods[c]	40.9	40.7	40.4	41.1	40.3	40.0	41.2	40.5	40.9	41.6	41.1	41.6	41.5
Food and kindred products	41.9	41.8	41.0	40.5	41.0	41.1	42.1	42.3	42.6	43.4	42.3	41.9	42.5
Apparel and other textile products	37.9	36.4	37.4	37.7	36.4	36.9	38.2	38.8	38.9	38.5	38.8	38.9	38.5
Paper and allied products	43.2	43.9	42.6	42.9	42.9	42.4	42.9	42.5	42.1	44.7	43.5	43.3	44.6
Printing and publishing	38.0	37.2	37.4	39.1	37.5	37.6	38.1	37.1	37.4	38.4	37.6	39.7	38.5
Chemicals and allied products	42.4	42.1	42.2	42.3	41.7	41.5	42.1	42.2	42.8	43.2	43.2	42.9	43.1
Rubber and misc. plastics products	42.6	43.9	42.6	43.0	42.4	41.1	43.3	41.1	42.3	43.0	43.0	42.6	42.9
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.3	40.7	40.6	41.2	40.9	41.0	41.9	41.8	41.0	41.5	41.7	41.7	41.8
WHOLESALE TRADE	39.6	39.4	39.1	39.2	39.7	39.4	39.4	39.9	39.9	39.5	39.7	39.6	40.1
RETAIL TRADE	28.3	27.8	27.6	27.6	27.7	28.2	28.9	29.0	28.7	28.8	28.4	28.4	28.6
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.2	33.9	34.0	33.2	33.4	33.0	32.9	33.2	33.3	33.0	32.6	32.9	32.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-4 (1986)

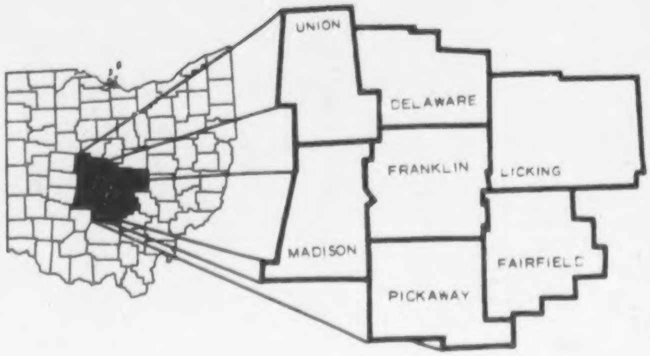
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND PMSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$481.62	$474.01	$477.24	$487.60	$479.76	$472.69	$480.36	$456.75	$479.94	$485.06	$480.36	$500.39	$505.61
Durable Goods[b]	513.33	504.71	511.28	522.52	513.83	503.94	510.07	479.85	509.92	513.68	510.85	534.45	543.12
Primary metal industries	582.65	581.22	581.65	584.22	571.30	564.81	569.14	520.08	583.77	591.65	593.05	610.16	639.39
Iron and steel foundries	809.66	846.69	816.41	842.36	801.71	789.71	747.12	677.81	797.72	793.28	817.90	850.68	930.42
Fabricated metal products	497.57	480.17	486.78	497.78	500.64	492.69	498.10	465.85	491.73	501.50	500.44	513.86	544.05
Fabricated structural metal products	380.07	366.62	369.20	364.65	404.12	378.48	376.69	377.17	394.24	412.02	367.94	359.97	389.63
Screw machine products, bolts, etc.	436.30	439.98	428.83	441.27	438.96	431.88	431.28	429.42	448.42	435.56	431.18	438.06	443.23
Metal forgings and stampings	655.04	613.99	641.58	654.40	658.21	643.47	669.31	604.21	638.13	655.85	654.04	682.86	732.08
Machinery, except electrical	464.62	456.04	466.40	477.12	473.61	458.81	467.15	445.54	467.50	448.36	453.86	471.23	482.42
Construction and related machinery	426.24	421.61	427.93	405.54	400.86	402.41	449.74	435.46	448.76	436.93	433.20	421.34	426.42
Metalworking machinery	411.68	403.20	397.77	409.24	400.18	413.09	405.21	409.85	405.82	407.43	412.70	434.00	433.82
Special industry machinery	481.80	495.33	512.74	464.30	464.54	464.80	453.56	488.42	491.83	492.25	479.17	478.40	492.41
General industrial machinery	468.51	438.27	454.94	445.00	454.76	472.06	473.68	485.18	457.80	466.15	479.81	500.16	496.39
Electric and electronic equipment	417.20	410.34	424.04	425.66	418.24	412.09	411.29	412.78	404.00	425.72	422.50	424.04	421.14
Electrical industrial apparatus	440.19	449.85	458.79	452.18	444.11	435.71	431.61	423.54	415.16	448.26	444.57	455.67	424.47
Transportation equipment	702.26	686.89	691.04	723.32	704.59	681.96	702.56	645.18	721.62	701.57	680.26	759.99	722.48
Motor vehicles and equipment	738.33	721.47	727.00	766.54	740.47	709.35	739.00	660.53	768.64	737.68	718.23	807.76	758.59
Instruments and related products	407.79	423.16	409.86	437.74	394.88	396.73	384.07	390.51	382.88	407.53	402.29	420.75	440.22
Measuring and controlling devices	395.65	396.79	390.05	419.99	373.03	381.10	377.78	390.05	374.30	401.57	395.09	412.05	434.02
Nondurable Goods[c]	403.68	396.42	392.69	399.49	392.12	393.60	405.00	402.17	406.96	414.34	406.48	417.25	418.32
Food and kindred products	384.64	381.63	372.28	366.53	376.38	379.35	384.79	390.85	394.48	402.32	386.20	389.25	386.33
Apparel and other textile products	295.62	278.10	286.86	285.77	278.82	284.50	293.38	310.01	315.87	308.77	308.85	304.98	299.53
Paper and allied products	459.22	452.61	440.91	444.44	445.73	448.59	456.03	457.30	448.37	489.91	470.24	470.24	486.14
Printing and publishing	407.36	386.51	393.45	414.85	394.50	408.34	408.43	400.68	407.66	410.88	399.31	433.92	423.12
Chemicals and allied products	485.48	474.05	476.86	476.30	477.05	469.78	480.36	480.24	493.91	497.66	497.23	504.93	503.84
Rubber and misc. plastics products	371.47	394.66	368.92	365.93	363.79	355.93	375.41	355.52	363.36	377.54	376.68	375.73	380.95
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	560.44	538.46	538.76	554.14	544.79	552.27	570.68	570.99	554.73	571.87	576.71	575.04	580.60
WHOLESALE TRADE	388.08	386.12	378.49	379.06	383.11	384.15	384.15	388.23	393.02	389.08	394.22	394.02	399.40
RETAIL TRADE[d]	177.16	172.36	173.05	172.50	173.68	176.25	180.34	180.09	175.93	183.46	180.06	178.92	180.18
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	291.63	284.96	284.46	283.96	292.22	294.21	290.77	293.74	291.69	294.47	299.57	292.73	296.35
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	334.99	333.92	335.92	328.68	332.33	329.67	330.65	333.00	338.99	338.25	338.71	339.86	336.48

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-4 (1986)

COLUMBUS
METROPOLITAN STATISTICAL AREA

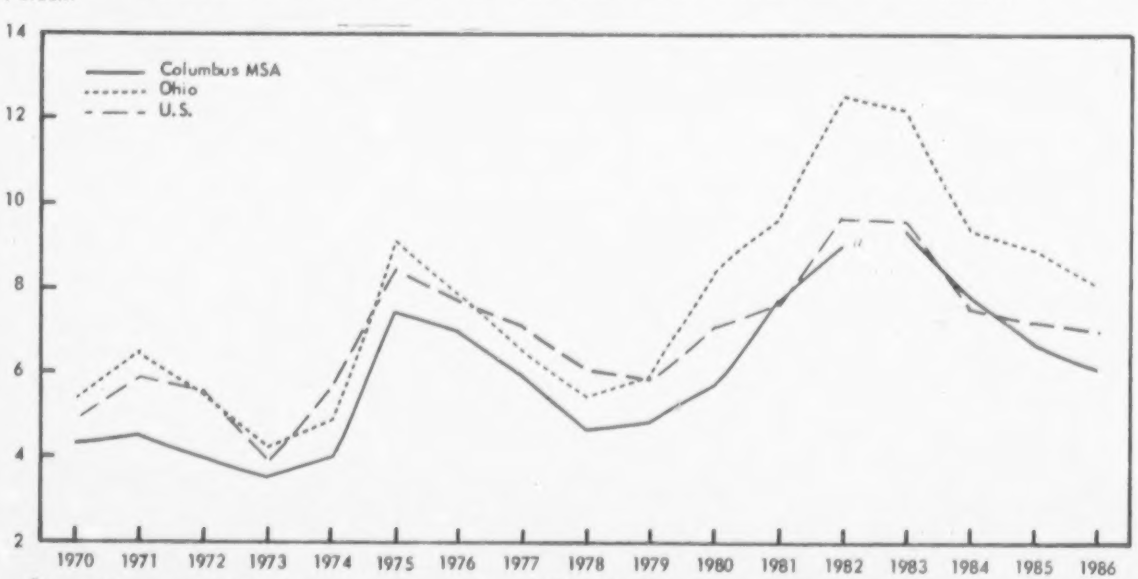


The estimated annual average civilian labor force in the Columbus metropolitan area, based on place of residence, increased 26,300 from 1985, to 675,700 in 1986. Total employment increased 28,800 over the year, to 634,400; unemployment declined 2,500, to 41,300 in 1986. The unemployment rate dropped from 6.7 percent in 1985 to 6.1 percent in 1986. (See table, page 71, top.)

Nonagricultural wage and salary employment increased 4.4 percent from 1985. Nonmanufacturing gained 26,700 jobs over the year, due chiefly to growth in services and retail trade. Manufacturing employment increased slightly, as a substantial gain in transportation equipment was offset by losses in nonelectrical machinery and fabricated metal products.

Columbus area nonfarm employment continued to recover from the 1983-1986 recessionary period. Growth in services and retail trade contributed most to the recovery, although all nonmanufacturing industries registered gains. Total manufacturing employment had a 39.3 percent recovery rate, but all industries, except printing and publishing, remained below the 1979 level. (See table, page 71, bottom.) Advancements throughout 1984 and 1985 in fabricated metal products and electric and electronic equipment have been partially lost. However, neither industry dropped below the 1983 level.

COLUMBUS MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Columbus Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	445.6	425.6	20.0	4.5	6.5	5.9
1972	469.1	450.2	18.9	4.0	5.5	5.6
1973	485.5	468.3	17.1	3.5	4.3	4.9
1974	495.4	475.5	19.9	4.0	4.8	5.6
1975	495.0	458.6	36.5	7.4	9.1	8.5
1976	503.6	468.5	35.1	7.0	7.8	7.7
1977	513.4	483.3	30.1	5.9	6.5	7.1
1978	531.4	506.5	24.9	4.7	5.4	6.1
1979	543.0	517.1	25.8	4.8	5.9	5.8
1980	554.7	523.4	31.4	5.7	8.4	7.1
1981	562.4	519.1	43.3	7.7	9.6	7.6
1982	567.4	516.4	51.0	9.0	12.5	9.7
1983[c]	647.7	587.4	60.3	9.3	12.2	9.6
1984	633.5	584.3	49.2	7.8	9.4	7.5
1985	649.4	605.6	43.8	6.7	8.9	7.2
1986	675.7	634.4	41.3	6.1	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

[c] Data not comparable to previous years due to change in metropolitan area definition.

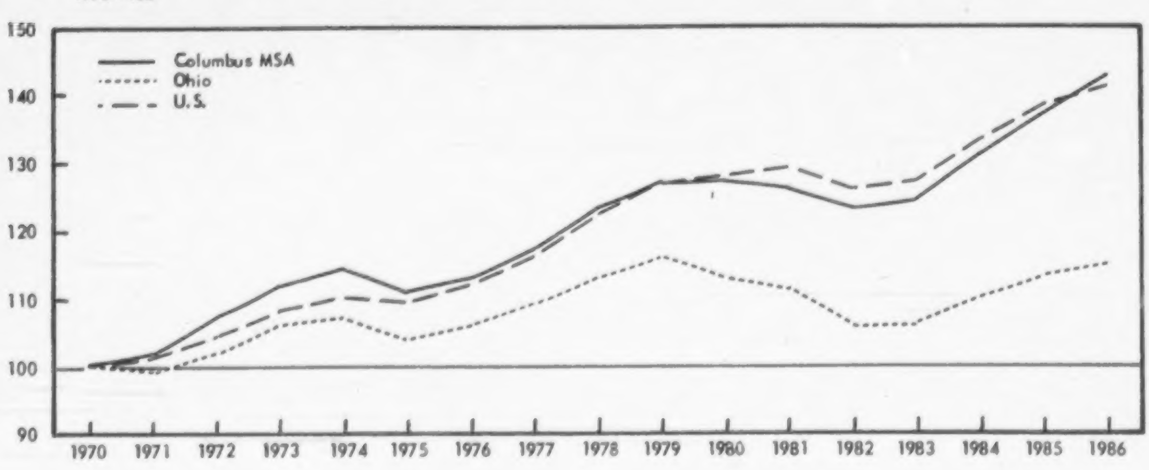
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE COLUMBUS METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	558.5	548.5	630.4	-10.0	81.9	819.0	97.6
MANUFACTURING	117.8	98.7	106.2	-19.1	7.5	39.2	13.7
Durable Goods	79.1	63.5	69.8	-15.6	6.3	40.3	11.5
Fabricated metal products	13.0	9.9	10.2	- 3.1	.3	9.6	15.4
Machinery, except electrical	13.2	9.5	9.5	- 3.7	.0	-	6.3
Electric and electronic equipment	15.5	11.1	11.4	- 4.4	.3	6.8	1.2
Nondurable Goods	38.7	35.2	36.4	- 3.5	1.2	34.2	23.0
Food and kindred products	11.0	10.3	9.9	- .4	- .4	-	-
Printing and publishing	8.9	8.9	9.7	.0	.8	+	119.5
CONSTRUCTION	23.0	16.8	24.2	- 6.2	7.4	119.3	57.6
TRANSPORTATION AND PUBLIC UTILITIES	27.3	24.7	26.9	- 2.6	2.2	84.6	20.9
Communication, electric, gas services	11.7	11.7	11.8	.0	.1	+	-
WHOLESALE TRADE	28.8	29.0	32.2	.2	3.2	+	228.7
RETAIL TRADE	101.4	102.9	124.3	1.5	21.4	+	348.7
FINANCE, INSURANCE, AND REAL ESTATE	38.3	45.0	53.5	6.7	8.5	+	+
Insurance carriers	16.9	18.8	20.9	1.9	9.1	+	+
SERVICES	108.7	119.6	145.5	10.9	25.9	+	+
GOVERNMENT	111.9	110.5	116.7	-1.4	6.2	442.8	132.6
Federal government	14.6	14.3	15.6	-0.3	1.3	433.3	260.1
State government	48.8	48.8	51.1	0.0	2.3	+	+
Local government	48.5	47.4	50.1	-1.1	2.7	245.4	59.1

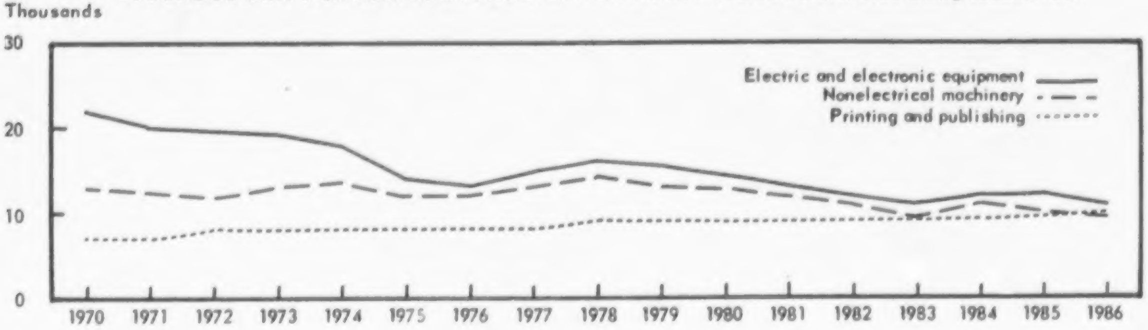
+ No downturn, 1979-1983.

- No upturn, 1983-1986.

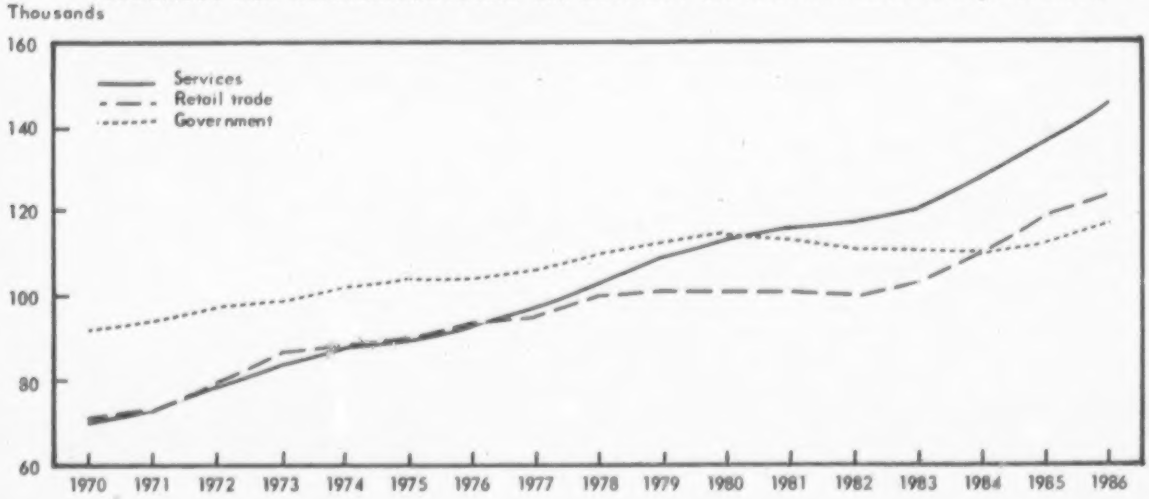
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



COLUMBUS MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	630.4	609.4	610.0	613.9	624.3	630.2	634.1	628.0	631.9	638.6	645.0	648.7	650.5
MANUFACTURING	106.2	106.0	105.9	106.2	106.6	106.3	106.2	106.1	106.3	107.4	105.2	106.1	105.9
Durable Goods[b]	69.8	69.9	69.8	70.1	70.4	70.1	69.9	69.8	69.9	70.6	68.4	69.2	69.1
Stone, clay, and glass products	11.6	11.4	11.5	11.6	11.7	11.8	11.9	11.4	12.0	12.1	10.5	11.5	11.7
Glass and glassware, pressed or blown.	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.1	4.6	4.8	3.2	4.6	4.8
Fabricated metal products	10.2	10.6	10.6	10.5	10.5	10.2	9.8	9.9	10.0	10.2	10.1	10.0	9.7
Fabricated structural metal products..	3.0	3.0	3.1	3.1	3.1	3.0	3.0	3.1	3.1	3.1	3.0	2.9	2.8
Machinery, except electrical	9.5	9.9	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.3	8.8	9.3	9.3
Electric and electronic equipment	11.4	11.6	11.5	11.6	11.6	11.4	11.4	11.3	11.4	11.4	11.3	11.2	11.2
Transportation equipment	15.9	15.4	15.5	15.7	15.7	15.9	16.0	16.3	15.8	16.3	16.3	16.0	15.9
Instruments and related products	4.1	4.2	4.3	4.2	4.2	4.2	4.1	4.0	3.9	4.1	4.0	4.0	4.1
Nondurable Goods[c]	36.4	36.1	36.1	36.1	36.2	36.2	36.4	36.2	36.4	36.8	36.8	36.9	36.8
Food and kindred products	9.9	9.7	9.7	9.8	9.8	9.9	10.0	10.1	10.0	10.0	10.0	10.0	10.1
Printing and publishing	9.7	9.6	9.5	9.5	9.6	9.6	9.6	9.5	9.7	9.8	9.9	9.9	9.8
Chemicals and allied products	7.0	7.0	7.0	7.0	7.1	7.0	7.0	7.1	7.1	7.2	7.0	7.1	7.1
Rubber and misc. plastics products	5.4	5.4	5.4	5.4	5.3	5.4	5.4	5.2	5.2	5.4	5.5	5.5	5.5
NONMANUFACTURING[d]	524.2	503.3	504.2	507.8	517.7	523.9	527.9	522.0	525.6	531.2	539.8	542.6	544.6
CONSTRUCTION	24.2	20.2	19.9	20.5	22.8	23.9	24.7	26.1	26.8	26.9	26.8	26.2	25.1
TRANSPORTATION AND PUBLIC UTILITIES	26.9	25.4	25.1	25.5	26.5	26.3	26.6	27.5	27.6	27.8	28.2	28.4	28.4
Trucking and warehousing	10.7	10.0	9.8	10.1	10.5	10.4	10.6	10.7	10.8	10.9	11.2	11.3	11.5
Communication, electric, gas services	11.8	11.4	11.4	11.4	11.5	11.5	11.6	12.2	12.2	12.2	12.2	12.2	12.2
WHOLESALE TRADE	32.2	31.4	31.4	31.6	31.9	32.0	32.2	32.2	32.6	32.5	32.6	32.7	32.6
Wholesale trade-durable goods	21.0	20.5	20.5	20.5	20.8	21.0	21.0	21.1	21.4	21.2	21.2	21.4	21.3

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1986[a] (Continued)

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	124.3	120.4	119.3	119.6	121.6	123.2	123.6	123.5	124.9	125.5	127.7	129.8	132.2
General merchandise stores	17.8	17.5	16.8	16.6	16.7	16.8	16.9	17.1	17.6	17.9	19.0	19.6	20.5
FINANCE, INSURANCE, AND REAL ESTATE	53.5	51.2	51.6	51.8	52.6	53.1	53.9	54.8	54.6	54.4	54.6	54.7	55.1
Banking	11.4	11.2	11.2	11.2	11.2	11.2	11.2	11.5	11.5	11.6	11.6	11.7	11.7
Insurance carriers	20.9	20.5	20.7	20.8	20.9	20.9	21.0	21.2	21.1	21.0	21.1	21.1	21.1
SERVICES	145.5	137.0	138.5	140.0	143.3	145.8	146.3	147.7	147.9	149.6	149.8	150.1	149.8
Business services	32.2	29.3	29.3	29.8	31.1	32.1	32.4	33.0	33.9	33.9	34.3	34.0	33.8
Health services	38.0	37.0	37.2	37.5	37.6	37.8	38.2	38.7	38.3	38.4	38.3	38.6	38.9
Hospitals	16.5	16.2	16.3	16.4	16.4	16.4	16.6	16.6	16.5	16.7	16.7	16.7	16.9
GOVERNMENT	116.7	116.7	117.3	117.8	118.1	118.6	119.7	109.3	110.3	113.6	119.0	119.7	120.5
Federal government	15.6	15.5	15.5	15.6	15.6	15.6	15.7	15.6	15.6	15.5	15.5	15.5	15.5
State government	51.1	51.3	51.5	51.7	52.1	52.1	53.0	46.8	48.1	47.4	52.3	52.7	53.6
State government education[f]	21.6	22.7	22.7	22.8	22.8	22.7	23.0	16.9	17.6	17.8	22.8	23.1	23.9
State government, except education	29.5	28.6	28.8	28.9	29.4	29.4	29.9	29.9	30.4	29.6	29.6	29.6	29.7
Local government	50.1	50.0	50.3	50.5	50.4	50.9	51.1	46.8	46.6	50.6	51.2	51.5	51.4
Local government education	29.5	29.8	30.1	30.3	30.2	30.5[e]	29.8	25.3	25.6	29.8	30.7	31.1	30.9
Local government, except education	20.6	20.2	20.2	20.2	20.2	20.4	21.3	21.5	21.1	20.8	20.5	20.5	20.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-5 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	603.6	580.2	584.1	589.5	599.1	605.8	608.5	599.3	603.4	610.5	618.7	621.5	622.8
MANUFACTURING	106.1	105.3	105.4	105.2	105.3	105.8	106.1	105.5	107.0	107.4	106.8	106.7	106.7
Durable Goods[b]	70.3	69.9	70.1	69.9	69.8	70.1	70.3	69.5	70.8	71.4	70.8	70.7	70.6
Stone, clay, and glass products	11.8	11.9	11.9	11.8	11.8	11.8	11.6	11.2	11.8	11.9	12.0	12.1	12.1
Glass and glassware, pressed or blown	4.7	5.1	5.1	4.9	5.0	4.9	4.6	4.0	4.7	4.7	4.6	4.6	4.6
Fabricated metal products	10.7	10.8	10.8	10.8	10.7	10.8	10.7	10.6	10.6	10.8	10.8	10.7	10.6
Fabricated structural metal products	3.1	3.2	3.1	3.1	3.2	3.2	3.2	3.2	3.1	3.2	3.1	3.1	3.0
Machinery, except electrical	10.4	10.8	10.8	10.8	10.7	10.5	10.5	10.3	10.2	10.3	10.0	9.8	9.9
Electric and electronic equipment	11.7	12.0	12.0	12.0	11.7	11.6	11.6	11.7	11.6	11.7	11.4	11.5	11.5
Transportation equipment	14.3	13.0	13.2	13.2	13.5	14.0	14.4	14.6	15.0	15.2	15.3	15.4	15.4
Instruments and related products	4.2	4.2	4.3	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.3	4.2
Nondurable Goods[c]	35.8	35.3	35.3	35.3	35.5	35.7	35.9	36.0	36.2	36.0	36.0	35.9	36.1
Food and kindred products	9.8	9.7	9.8	9.8	9.8	9.9	9.9	9.9	10.0	9.7	9.7	9.6	9.7
Printing and publishing	9.5	9.3	9.3	9.2	9.3	9.4	9.4	9.5	9.4	9.6	9.6	9.7	9.7
Chemicals and allied products	6.9	6.9	6.9	6.9	7.0	6.9	7.0	7.1	7.1	7.0	6.9	6.8	6.9
Rubber and misc. plastics products	5.1	5.1	5.0	5.0	5.0	5.1	5.1	4.9	5.1	5.1	5.2	5.2	5.2
NONMANUFACTURING[d]	497.5	475.0	478.7	484.3	493.8	500.0	502.3	493.8	496.4	503.1	511.9	514.8	516.1
CONSTRUCTION	21.9	18.2	17.4	18.6	20.4	21.6	22.3	23.7	24.8	24.6	24.7	23.8	22.8
TRANSPORTATION AND PUBLIC UTILITIES	26.0	25.7	25.9	25.8	25.8	25.8	25.8	25.9	26.0	26.4	26.3	26.3	26.4
Trucking and warehousing	10.5	10.5	10.6	10.5	10.4	10.3	10.4	10.5	10.6	10.7	10.6	10.7	10.8
Communication, electric, gas services	11.4	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.5	11.5	11.5	11.4
WHOLESALE TRADE	32.1	32.1	32.4	32.7	32.6	32.5	32.3	32.0	31.8	31.7	31.6	31.9	31.7
Wholesale trade-durable goods	21.1	21.1	21.3	21.7	21.5	21.4	21.2	21.0	20.9	20.7	20.6	20.8	20.6

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS MSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
RETAIL TRADE	118.6	111.9	110.6	112.5	115.8	118.9	119.6	118.8	119.9	120.6	122.5	125.6	127.0
General merchandise stores	16.7	16.4	15.4	15.5	15.5	15.9	16.0	16.0	16.4	16.8	17.3	18.9	19.8
FINANCE, INSURANCE, AND REAL ESTATE	49.4	47.6	47.8	48.1	48.4	48.8	49.3	50.0	50.3	50.3	50.6	50.9	51.2
Banking	10.6	10.1	10.1	10.2	10.4	10.5	10.5	10.7	10.8	10.8	10.9	11.0	11.1
Insurance carriers	19.6	18.9	19.0	19.1	19.2	19.3	19.5	19.6	19.7	19.9	20.0	20.2	20.4
SERVICES	136.0	129.0	130.2	131.6	135.4	137.4	136.9	137.5	137.5	138.6	139.8	139.3	138.9
Business services	29.4	27.8	28.0	28.5	29.1	29.5	29.1	29.8	30.0	29.8	31.2	30.3	30.0
Health services	36.0	35.0	35.0	35.1	35.5	35.8	36.0	36.0	36.2	36.2	36.9	37.0	37.2
Hospitals	15.9	15.7	15.8	15.8	15.8	15.9	15.9	15.9	15.9	15.9	16.0	16.0	16.1
GOVERNMENT	112.4	109.3	113.4	114.2	114.4	114.0	115.1	105.0	105.0	109.9	115.4	115.9	117.1
Federal government	15.2	14.8	14.8	14.9	15.2	15.1	15.3	15.4	15.4	15.2	15.2	15.3	15.4
State government	49.0	45.8	50.0	50.6	50.4	50.1	50.8	44.9	45.6	46.1	50.6	51.0	51.8
State government education[f]	20.6	17.9	21.9	22.3	21.9	21.8	22.0	16.3	16.9	17.8	22.3	22.6	23.2
State government, except education ...	28.4	27.9	28.1	28.3	28.5	28.3	28.8	28.6	28.7	28.4	28.3	28.4	28.6
Local government	48.2	48.7	48.5	48.7	48.8	48.9	48.9	44.7	44.0	48.6	49.6	49.6	49.9
Local government education	28.4	29.1	29.1	29.3	29.4	29.5	28.8	24.3	23.8	28.6	29.5	29.7	29.8
Local government, except education ...	19.8	19.6	19.4	19.4	19.3	19.4	20.2	20.4	20.2	20.0	20.1	19.9	20.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes. [f] Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-5 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$11.22	$11.05	$11.06	$11.15	$11.17	$11.20	$11.23	$11.23	$11.26	$11.28	$11.27	$11.33	$11.42
Durable Goods[b]	11.53	11.41	11.39	11.48	11.52	11.52	11.57	11.46	11.58	11.57	11.56	11.58	11.67
Stone, clay, and glass products	11.85	11.69	11.70	11.80	11.85	11.85	12.05	12.15	12.10	11.92	11.84	11.59	11.59
Glass and glassware, pressed or blown	11.24	11.32	11.18	11.11	11.30	11.43	11.36	11.55	11.38	11.43	11.26	10.69	10.88
Fabricated metal products	12.08	12.32	12.24	12.53	12.18	12.00	12.06	11.88	11.82	11.90	11.80	12.01	12.09
Fabricated structural metal products	10.30	9.79	9.98	10.26	10.24	10.37	10.23	10.36	10.21	10.52	10.34	10.59	10.70
Machinery, except electrical	10.45	10.20	10.17	10.22	10.30	10.34	10.53	10.40	10.38	10.53	10.76	10.75	10.86
Electric and electronic equipment	11.18	11.36	11.18	11.19	11.14	11.30	11.10	10.93	10.99	11.15	11.09	11.29	11.35
Transportation equipment	12.71	12.41	12.44	12.36	12.70	12.63	12.69	12.58	12.91	12.85	12.91	12.93	13.10
Instruments and related products	9.76	9.33	9.38	9.70	9.82	10.17	9.91	9.86	9.80	9.74	9.63	9.68	10.14
Nondurable Goods[c]	10.54	10.22	10.31	10.42	10.37	10.46	10.47	10.70	10.55	10.63	10.65	10.79	10.88
Food and kindred products	10.21	9.80	9.99	10.03	10.00	10.01	10.13	10.81	10.37	10.33	10.23	10.27	10.45
Printing and publishing	12.59	12.25	12.32	12.32	12.35	12.58	12.66	12.63	12.51	12.74	12.78	12.83	13.09
Chemicals and allied products	12.21	11.90	11.97	12.20	12.02	12.20	12.07	12.08	12.11	12.31	12.31	12.67	12.70
Rubber and misc. plastics products	8.14	8.00	8.10	8.15	8.06	8.13	8.07	8.19	8.20	8.08	8.26	8.28	8.21
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.45	13.13	13.21	13.38	13.21	13.25	13.47	13.59	13.52	13.55	13.74	13.64	13.69
WHOLESALE TRADE	8.53	8.00	8.14	8.22	8.36	8.46	8.57	8.56	8.56	8.81	8.89	8.85	8.92
RETAIL TRADE[d]	5.84	5.82	5.86	5.88	5.84	5.83	5.85	5.85	5.75	5.79	5.83	5.82	6.01
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	9.34	9.16	9.08	9.17	9.28	9.40	9.46	9.38	9.38	9.38	9.45	9.45	9.44

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-5 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.1	40.9	41.0	41.3	41.4	41.2	41.0	40.8	41.0	41.3	40.8	41.3	41.4
Durable Goods[b]	41.2	41.0	40.8	41.4	41.7	41.4	41.2	40.8	41.3	41.4	40.9	41.4	41.3
Stone, clay, and glass products	39.8	39.5	39.5	41.6	41.0	40.3	39.9	40.1	39.5	39.0	39.9	39.3	38.3
Glass and glassware, pressed or blown.	39.8	37.9	39.2	41.5	40.8	40.1	39.4	39.2	38.8	40.6	43.5	40.0	38.4
Fabricated metal products	40.4	40.5	40.0	41.1	40.5	40.0	40.3	40.3	40.2	40.7	40.2	40.9	40.4
Fabricated structural metal products	40.7	38.6	39.0	40.4	41.1	40.2	40.8	42.1	40.5	41.7	40.8	41.1	42.0
Machinery, except electrical	40.0	40.2	39.3	38.9	39.1	38.5	39.9	38.7	39.9	41.5	41.4	41.8	41.6
Electric and electronic equipment	40.7	41.4	40.6	40.8	40.8	41.3	40.4	39.7	39.9	41.1	40.2	41.1	41.1
Transportation equipment	44.3	43.4	43.9	44.0	46.3	45.3	44.7	43.5	45.3	44.1	42.8	43.7	44.4
Instruments and related products	40.7	39.8	39.7	40.8	40.3	42.1	41.9	41.0	40.1	40.5	40.4	39.7	42.4
Nondurable Goods[c]	40.9	40.6	41.5	41.0	40.7	40.8	40.6	40.6	40.2	41.0	40.6	41.2	41.5
Food and kindred products	41.0	40.2	41.0	40.0	40.8	41.5	41.7	41.6	41.1	41.8	41.2	40.8	40.7
Printing and publishing	39.6	39.5	39.4	39.9	39.8	39.8	39.4	39.9	38.9	39.8	39.1	39.6	40.5
Chemicals and allied products	41.8	42.3	42.8	43.1	41.7	41.7	40.7	41.2	40.5	41.3	41.2	42.7	42.8
Rubber and misc. plastics products	41.4	41.2	43.6	42.0	40.3	40.4	40.8	41.7	40.9	41.4	41.3	42.1	41.5
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	41.0	39.8	39.8	40.3	40.3	40.4	41.5	42.1	40.7	41.6	41.9	41.7	41.8
WHOLESALE TRADE	38.3	38.7	38.2	38.3	38.3	38.3	38.0	38.3	37.7	38.6	38.4	38.2	38.6
RETAIL TRADE	28.7	29.0	28.6	28.1	28.6	28.4	28.9	28.9	29.3	28.5	28.5	28.5	29.3
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	34.2	34.4	33.7	33.7	33.7	34.1	34.5	35.1	34.7	34.5	34.0	34.2	34.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-5 (1986)

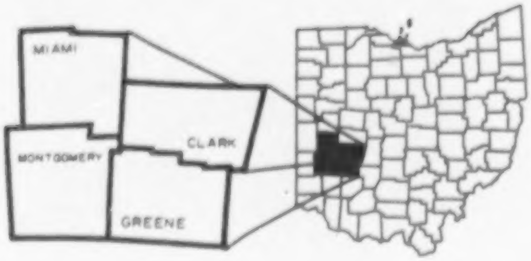
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$461.14	$451.95	$453.46	$460.50	$462.44	$461.44	$460.43	$458.18	$461.66	$465.86	$459.82	$467.93	$472.79
Durable Goods[b]	475.04	467.81	464.71	475.27	480.38	476.93	476.68	467.57	478.25	479.00	472.80	479.41	481.97
Stone, clay, and glass products	471.63	461.76	462.15	490.88	485.85	477.56	480.80	487.22	477.95	464.88	472.42	455.49	443.90
Glass and glassware, pressed or blown	447.35	429.03	438.26	461.07	461.04	458.34	447.58	452.76	441.54	464.06	489.81	427.60	417.79
Fabricated metal products	488.03	498.96	489.60	514.98	493.29	480.00	486.02	478.76	475.16	484.33	474.36	491.21	488.44
Fabricated structural metal products	419.21	377.89	389.22	414.50	420.86	416.87	417.38	436.16	413.51	438.68	421.87	435.25	449.40
Machinery, except electrical	418.00	410.04	399.68	397.56	402.73	398.09	420.15	402.48	414.16	437.00	445.46	449.35	451.78
Electric and electronic equipment	455.03	470.30	453.91	456.55	454.51	466.69	448.44	433.92	438.50	458.27	445.82	464.02	466.49
Transportation equipment	563.05	538.59	546.12	543.84	588.01	572.14	567.24	547.23	584.82	566.69	552.55	565.04	581.64
Instruments and related products	397.23	371.33	372.39	395.76	395.75	428.16	415.23	404.26	392.98	394.47	389.05	384.30	429.94
Nondurable Goods[c]	431.09	414.93	427.87	427.22	422.06	426.77	425.08	434.42	424.11	435.83	432.39	444.55	451.52
Food and kindred products	418.61	393.96	409.59	401.20	408.00	415.42	422.42	449.70	426.21	431.79	421.48	419.02	425.32
Printing and publishing	498.56	483.88	485.41	491.57	491.53	500.68	498.80	503.94	486.64	507.05	499.70	508.07	530.15
Chemicals and allied products	510.38	503.37	512.32	525.82	501.23	508.74	491.25	497.70	490.46	508.40	507.17	541.01	543.56
Rubber and misc. plastics products	337.00	329.60	353.16	342.30	324.82	328.45	329.26	341.52	335.38	334.51	341.14	348.59	340.72
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	551.45	522.57	525.76	539.21	532.36	535.30	559.01	572.14	550.26	563.68	575.71	568.79	572.24
WHOLESALE TRADE	326.70	309.60	310.95	314.83	320.19	324.02	325.66	327.85	322.71	340.07	341.38	338.07	344.31
RETAIL TRADE[d]	167.61	168.78	167.60	165.23	167.02	165.57	169.07	169.07	168.48	165.02	166.16	165.87	176.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	......	......	......	......	......	......	......	......	......	......
Banking	243.45	240.40	238.25	233.34	240.81	251.78	243.25	240.89	244.72	244.17	244.33	249.06	249.75
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	319.43	315.10	306.00	309.03	312.74	320.54	326.37	329.24	325.49	323.61	321.30	323.19	322.85

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics.—Columbus area is defined as Delaware, Fairfield, Franklin, Licking, Madison, Pickaway, and Union Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-5 (1986)

DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA

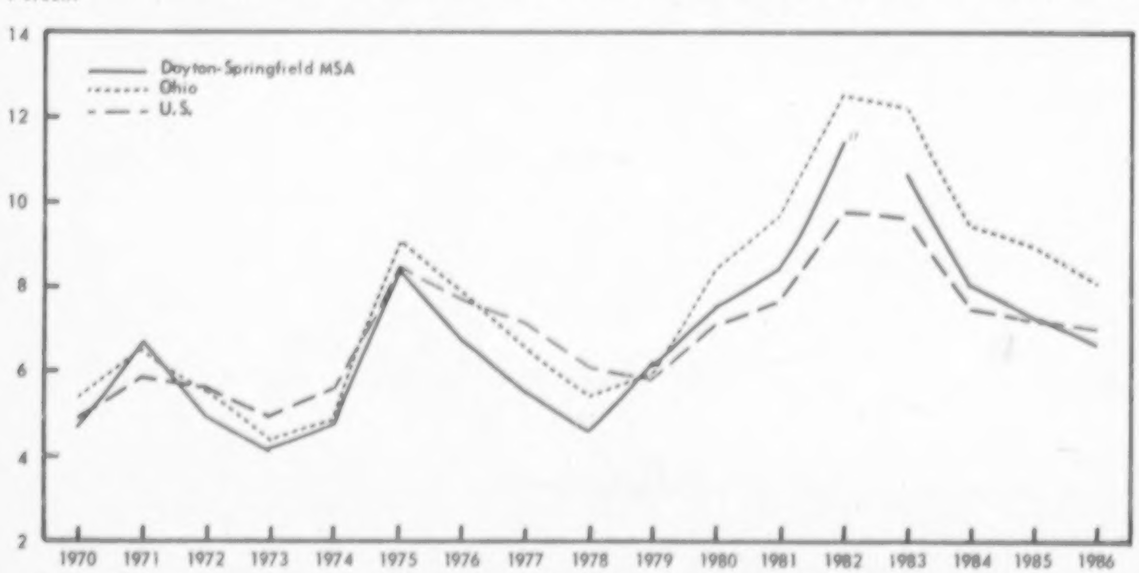


In the Dayton-Springfield metropolitan area, the estimated annual average civilian labor force, based on place of residence, edged upward 11,600 from 1985, to 462,000 in 1986. Over the year, employment rose 13,500, to 431,600, while the number of unemployed dropped 2,000, to a 1986 total of 30,400. The unemployment rate fell from 7.2 percent in 1985 to 6.6 percent in 1986. (See table, page 81, top.)

Over the year, total nonagricultural wage and salary employment rose 2.9 percent, from 408,900 in 1985, to 420,900 in 1986. Growth in services and retail trade contributed heavily to the continued recovery. Manufacturing employment decreased from 106,300 in 1985, to 106,100 in 1986—a loss of 200 jobs. Nonelectrical machinery showed the greatest decrease, with a loss of 1,000 workers.

From 1983 to 1986, the Dayton-Springfield area recovered 133.2 percent of the nonagricultural wage and salary employment lost during the last economic downturn, 1979 to 1983. All major divisions had increased in employment during the period. Expansion in construction, services, and retail trade accounted for much of the overall rise in the nonmanufacturing sector. Within manufacturing, transportation equipment had the greatest improvement. (See table, page 81, bottom.)

DAYTON-SPRINGFIELD MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Dayton-Springfield Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	349.5	326.1	23.3	6.7	6.5	5.9
1972	353.5	336.2	17.3	4.9	5.5	5.6
1973	358.0	343.5	14.5	4.1	4.3	4.9
1974	359.5	342.5	17.0	4.7	4.8	5.6
1975	357.6	327.7	29.9	8.4	9.1	8.5
1976	360.5	336.3	24.2	6.7	7.8	7.7
1977	368.6	348.3	20.3	5.5	6.5	7.1
1978	281.1	363.7	17.3	4.6	5.4	6.1
1979	392.2	367.9	24.2	6.2	5.9	5.8
1980	390.2	361.0	29.2	7.5	8.4	7.1
1981	390.8	357.9	32.8	18.4	9.6	7.6
1982	391.8	347.1	44.7	11.4	12.5	9.7
1983[c]	438.5	391.9	46.6	10.6	12.2	9.6
1984	440.1	404.8	35.2	8.0	9.4	7.5
1985	450.4	418.1	32.4	7.2	8.9	7.2
1986	462.0	431.6	30.4	6.6	8.1	7.0

[a] Estimates are based on place of residence.

[b] Unemployment as percentage of civilian labor force.

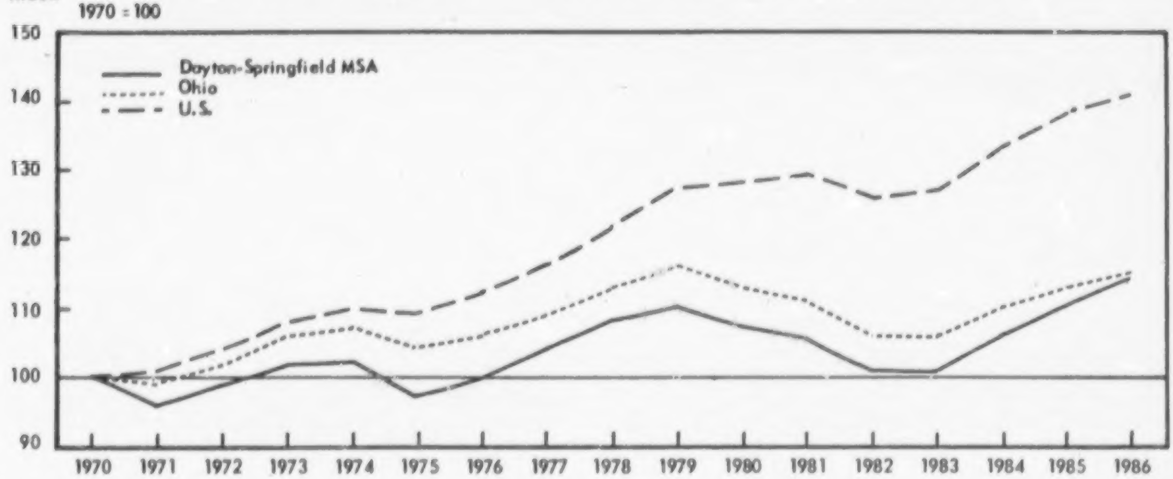
[c] Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES IN THE DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

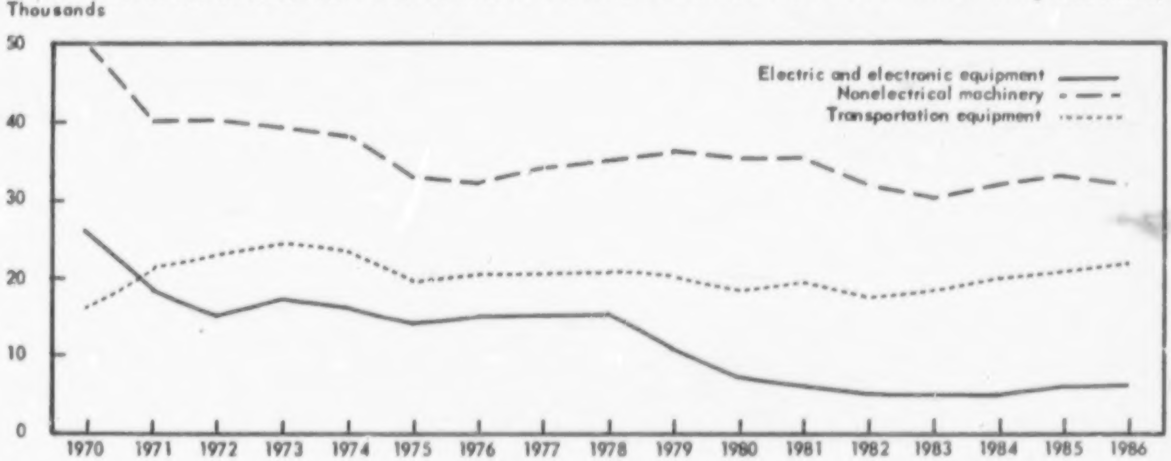
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	408.8	372.3	420.9	-36.5	48.6	133.1	97.6
MANUFACTURING	122.5	95.5	106.1	-27.0	10.6	39.2	13.7
Durable Goods	86.2	68.7	76.7	-17.5	8.0	45.7	11.5
Machinery, except electrical	35.9	30.0	31.7	-5.9	1.7	28.8	6.3
Electric and electronic equipment	10.5	5.0	5.6	-5.5	.6	10.9	1.2
Electrical industrial apparatus	4.7	2.9	3.2	-1.8	.3	16.6	-
Transportation equipment	20.1	17.7	21.8	-2.4	4.1	170.8	63.4
Nondurable Goods	36.3	26.8	29.4	-9.5	2.6	27.3	23.0
Printing and publishing	10.2	7.7	8.5	-2.5	.8	32.0	119.5
Rubber and misc. plastics products	12.2	7.7	8.4	-4.5	.7	15.5	36.6
CONSTRUCTION	15.8	10.6	15.0	-5.2	4.4	84.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	16.3	13.9	14.7	-2.4	.8	33.3	20.9
WHOLESALE TRADE	16.6	17.5	18.9	.9	1.4	+	228.7
RETAIL TRADE	68.4	63.1	75.6	-5.3	12.5	235.8	398.7
FINANCE, INSURANCE, AND REAL ESTATE	15.6	15.8	17.3	.2	1.5	+	+
SERVICES	79.5	84.7	100.6	5.2	15.9	+	+
GOVERNMENT	73.6	70.8	72.4	-2.8	1.6	57.1	132.6

+ No downturn, 1979-1983.
No upturn, 1983-1986.

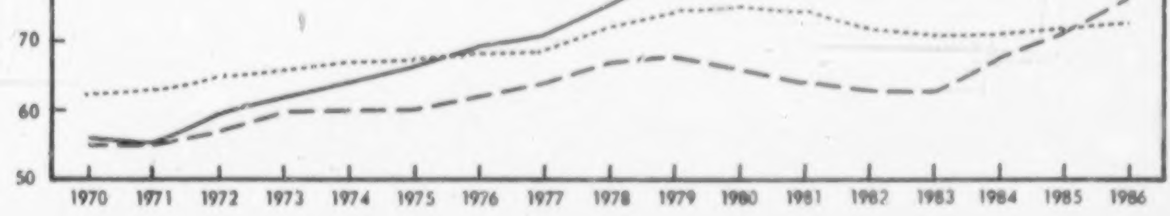
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



DAYTON-SPRINGFIELD MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	420.9	409.9	410.1	413.0	418.3	421.1	420.3	417.5	420.6	427.6	429.7	431.2	432.1
MANUFACTURING	106.1	105.3	105.1	105.5	105.3	106.2	106.6	106.2	106.5	106.8	106.4	106.3	106.5
Durable Goods[b]	76.7	75.8	75.7	76.1	75.9	76.9	77.2	77.0	77.3	77.2	76.9	76.8	77.0
Fabricated metal products	8.3	8.3	8.2	8.2	8.2	8.3	8.5	8.4	8.6	8.4	8.3	8.3	8.3
Machinery, except electrical	31.7	32.1	32.0	32.0	31.7	31.9	32.0	31.7	31.9	31.6	31.5	31.1	31.2
Metalworking machinery	7.0	7.1	7.0	7.1	7.1	7.1	7.1	6.9	6.9	6.9	6.9	6.8	6.8
General industrial machinery	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Electric and electronic equipment	5.6	5.2	5.2	5.2	5.1	5.7	5.7	5.7	5.7	5.7	5.9	6.0	6.1
Electrical industrial apparatus	3.2	2.9	2.9	2.9	2.9	3.5	3.4	3.3	3.4	3.3	3.4	3.5	3.5
Transportation equipment	21.8	21.4	21.4	21.7	21.7	21.6	21.7	21.9	21.9	22.1	22.1	22.0	22.0
Nondurable Goods[c]	29.4	29.4	29.4	29.4	29.4	29.3	29.5	29.2	29.2	29.6	29.4	29.4	29.5
Food and kindred products	2.8	2.7	2.7	2.8	2.8	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.9
Paper and allied products	5.8	5.8	5.8	5.8	5.7	5.7	5.8	5.8	5.8	5.7	5.8	5.9	5.9
Printing and publishing	8.5	8.5	8.5	8.5	8.5	8.5	8.4	8.4	8.5	8.5	8.6	8.6	8.6
Rubber and misc. plastics products	8.4	8.7	8.7	8.6	8.6	8.5	8.5	8.2	8.3	8.6	8.3	8.2	8.2
NONMANUFACTURING[d]	314.9	304.6	305.0	307.5	313.0	314.9	313.6	311.3	314.1	320.8	323.4	325.0	325.5
CONSTRUCTION	15.0	12.1	11.6	12.1	13.8	14.8	15.5	16.3	16.9	17.0	17.0	16.8	16.0
TRANSPORTATION AND PUBLIC UTILITIES	14.7	14.2	14.2	14.3	14.5	14.6	14.6	14.6	14.9	14.9	15.1	15.0	15.2
Communication, electric, gas services	6.0	5.9	5.9	5.8	5.9	5.9	5.9	6.0	6.1	6.1	6.1	6.0	6.0
WHOLESALE TRADE	18.9	18.9	18.7	18.7	18.8	18.9	19.0	19.0	18.9	19.0	19.0	19.1	19.2
Wholesale trade-durable goods	12.9	12.9	12.7	12.8	12.8	12.8	12.9	12.9	12.9	12.9	12.9	13.1	13.2
RETAIL TRADE	75.6	72.0	71.3	71.9	74.2	75.3	75.7	75.9	76.4	77.1	77.9	78.9	80.3
General merchandise stores	11.7	12.0	11.4	11.3	11.4	11.3	11.3	11.2	11.3	11.6	12.0	12.7	13.5

See footnotes at end of table.

RS-790-1-6 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	17.3	16.8	16.8	16.9	17.1	17.3	17.4	17.7	17.7	17.6	17.5	17.5	17.7
Banking	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3	4.2	4.2	4.3
Credit agencies other than banks	4.5	4.3	4.3	4.3	4.4	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6
Insurance carriers	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.8	2.8
SERVICES	100.6	97.1	98.1	98.6	100.1	99.1	100.5	99.6	101.1	103.0	103.0	103.6	102.9
Business services	23.9	22.0	22.4	22.5	23.1	23.4	23.9	24.4	24.7	24.7	25.0	25.2	25.0
Health services	34.4	34.2	34.2	34.2	34.1	34.2	34.4	34.6	34.6	34.8	34.5	34.5	34.5
Hospitals	18.1	18.0	18.0	18.0	17.9	18.0	18.0	18.2	18.2	18.1	18.0	18.2	18.0
Educational services	6.8	7.5	7.9	7.8	7.7	6.1	5.8	5.0	4.9	6.9	7.3	7.6	7.0
GOVERNMENT	72.4	73.1	74.0	74.6	74.1	74.6	70.4	67.8	67.8	71.8	73.4	73.6	73.8
Federal government	28.0	27.8	28.0	28.6	28.1	28.2	28.1	28.2	28.1	28.0	27.4	27.4	27.7
State government	6.7	6.5	6.8	6.9	6.9	6.9	6.9	6.1	6.0	6.1	7.0	7.0	7.0
State government education	4.0	3.9	4.2	4.3	4.2	4.3	4.2	3.3	3.3	3.4	4.4	4.4	4.3
State government, except education ...	2.6	2.6	2.6	2.6	2.7	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.7
Local government	37.8	38.8	39.2	39.2	39.2	39.4	35.4	33.6	33.7	37.7	39.0	39.1	39.1
Local government education	23.2	24.5	25.1	25.0	24.8	24.9	20.4	18.3	18.6	23.1	24.6	24.8	24.7
Local government, except education ...	14.6	14.3	14.2	14.2	14.4	14.6	15.0	15.3	15.1	14.6	14.4	14.4	14.4

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[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-6 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	408.9	396.5	395.4	401.0	405.9	410.5	409.1	406.7	409.0	416.2	417.1	419.2	420.0
MANUFACTURING	106.3	105.1	105.5	106.3	106.3	106.7	107.0	106.4	106.1	106.9	106.5	106.5	106.9
Durable Goods[b]	77.2	76.5	76.8	77.4	77.4	77.6	78.1	77.5	76.8	77.2	76.8	76.9	77.0
Fabricated metal products	8.5	8.2	8.2	8.2	8.4	8.5	8.6	8.5	8.6	8.6	8.6	8.5	8.4
Machinery, except electrical	32.7	33.1	32.9	32.9	32.8	32.8	33.0	32.6	32.4	32.3	32.4	32.4	32.4
Metalworking machinery	7.1	7.0	7.0	6.9	6.9	7.0	7.1	7.2	7.1	7.2	7.1	7.1	7.1
General industrial machinery	2.9	2.9	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8
Electric and electronic equipment	5.5	5.7	5.7	5.6	5.5	5.5	5.6	5.5	5.5	5.4	5.4	5.3	5.2
Electrical industrial apparatus	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.7
Transportation equipment	21.4	20.5	21.0	21.6	21.5	21.6	21.7	21.8	21.2	21.8	21.2	21.7	21.8
Nondurable Goods[c]	29.2	28.6	28.7	28.9	28.9	29.1	28.9	28.9	29.4	29.7	29.7	29.7	29.9
Food and kindred products	3.0	3.0	3.0	3.1	2.9	2.8	2.9	2.9	3.0	3.0	3.0	2.9	2.9
Paper and allied products	5.7	5.7	5.7	5.7	5.8	5.8	5.6	5.6	5.8	5.8	5.8	5.8	5.8
Printing and publishing	8.3	8.2	8.2	8.2	8.3	8.4	8.3	8.2	8.3	8.3	8.4	8.4	8.6
Rubber and misc. plastics products	8.4	8.2	8.2	8.2	8.3	8.3	8.3	8.2	8.3	8.6	8.7	8.6	8.7
NONMANUFACTURING[d]	302.5	291.4	290.0	294.7	299.6	303.8	302.2	300.3	302.8	309.3	310.6	312.6	313.1
CONSTRUCTION	13.5	10.9	10.2	11.2	12.9	13.8	14.2	14.6	15.1	15.1	15.0	14.7	13.9
TRANSPORTATION AND PUBLIC UTILITIES	14.5	14.0	14.0	14.1	14.3	14.5	14.8	14.7	14.9	14.7	14.7	14.6	14.7
Communication, electric, gas services	6.1	6.1	6.1	6.0	6.1	6.1	6.2	6.1	6.1	6.0	6.0	6.0	5.9
WHOLESALE TRADE	19.0	18.7	18.5	18.8	19.0	19.1	19.1	19.0	19.0	19.0	19.0	19.1	19.2
Wholesale trade-durable goods	12.9	12.8	12.7	12.9	12.9	13.0	13.0	13.0	12.9	12.9	12.9	12.9	13.1
RETAIL TRADE	71.2	68.1	66.6	67.7	69.5	70.9	71.5	71.3	72.1	72.5	73.1	74.5	76.1
General merchandise stores	11.7	11.7	11.0	11.1	11.1	11.2	11.2	11.1	11.4	11.7	12.0	12.9	13.6

RS-790-1-6 (1985)

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON-SPRINGFIELD MSA, 1985[a] (Continued)
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	16.6	16.2	16.0	16.4	16.5	16.6	16.9	16.9	17.0	16.9	16.8	16.8	16.8
Banking	4.1	4.0	4.0	4.1	4.1	4.1	4.2	4.2	4.2	4.2	4.2	4.2	4.2
Credit agencies other than banks	4.2	4.2	3.9	4.2	4.2	4.2	4.2	4.2	4.2	4.3	4.3	4.3	4.3
Insurance carriers	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9
SERVICES	95.4	91.3	91.7	93.2	94.4	94.5	95.0	95.5	96.4	98.2	98.1	98.4	97.9
Business services	20.8	18.8	18.8	19.2	19.9	20.3	20.7	21.5	21.9	22.2	21.9	22.2	22.1
Health services	34.0	33.4	33.3	33.6	33.4	33.5	33.8	34.2	34.3	34.3	34.4	34.5	34.7
Hospitals	18.2	18.1	18.0	18.1	18.0	18.0	18.1	18.4	18.3	18.2	18.3	18.2	18.4
Educational services	6.9	7.3	7.7	7.8	7.5	6.6	5.9	5.1	4.7	7.1	7.7	8.0	7.3
GOVERNMENT	72.1	72.0	72.7	73.0	72.8	74.0	70.4	67.8	68.1	72.6	73.5	74.2	74.1
Federal government	27.7	26.6	26.6	26.5	27.5	27.6	27.8	28.4	28.6	28.4	27.9	28.0	28.1
State government	6.4	6.3	6.6	6.6	6.6	6.4	6.6	5.9	5.9	5.7	6.5	6.8	6.7
State government education	3.8	3.7	4.0	4.0	4.0	3.9	4.0	3.2	3.2	3.1	4.0	4.2	4.2
State government, except education ...	2.6	2.6	2.6	2.6	2.6	2.6	2.7	2.7	2.7	2.6	2.6	2.6	2.6
Local government	38.0	39.1	39.5	39.9	38.6	39.9	35.9	33.6	33.6	38.5	39.1	39.3	39.3
Local government education	23.4	24.7	25.1	25.5	24.2	25.3	20.9	18.5	18.6	23.9	24.6	24.9	24.9
Local government, except education ...	14.6	14.4	14.4	14.4	14.4	14.6	15.1	15.1	15.0	14.6	14.5	14.4	14.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-6 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.03	$12.23	$12.16	$12.13	$12.02	$12.04	$12.02	$12.03	$11.93	$12.04	$11.97	$11.93	$11.90
Durable Goods[b]	12.27	12.57	12.43	12.36	12.28	12.28	12.20	12.24	12.15	12.29	12.19	12.11	12.09
Fabricated metal products	9.23	8.92	9.06	9.15	9.22	9.18	9.32	9.29	9.11	9.12	9.36	9.42	9.50
Machinery, except electrical	12.68	12.77	12.72	12.66	12.52	12.61	12.54	12.75	12.64	12.81	12.69	12.64	12.76
Metalworking machinery	11.72	11.61	11.60	11.66	11.51	11.55	11.66	11.66	11.75	11.91	11.78	11.91	12.09
General industrial machinery	10.34	10.00	10.14	10.13	10.22	10.42	10.26	10.45	10.54	10.47	10.53	10.28	10.62
Electric and electronic equipment	9.34	9.27	9.24	9.35	9.31	9.21	9.39	9.35	9.39	9.24	9.33	9.25	9.62
Electrical industrial apparatus	10.58	10.32	10.23	10.30	10.32	10.36	10.45	10.53	10.79	10.72	10.76	10.70	11.18
Transportation equipment	14.65	15.06	14.86	14.81	14.70	14.83	14.62	14.52	14.48	14.63	14.47	14.38	14.35
Nondurable Goods[c]	11.34	11.25	11.36	11.46	11.24	11.32	11.48	11.41	11.26	11.26	11.33	11.40	11.36
Food and kindred products	8.41	8.75	8.76	8.67	8.40	8.24	8.56	8.50	8.46	8.24	8.11	8.03	8.09
Paper and allied products	10.36	9.92	10.20	10.17	10.16	10.32	10.47	10.49	10.33	10.34	10.55	10.56	10.80
Printing and publishing	10.66	10.58	10.69	10.62	10.63	10.60	10.50	10.57	10.65	10.67	10.74	10.80	10.88
Rubber and misc. plastics products	14.38	14.33	14.47	14.60	14.16	14.35	14.52	14.50	14.41	14.22	14.40	14.48	14.17
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services	13.15	13.05	13.05	13.26	13.01	13.06	13.14	13.17	12.94	13.18	13.34	13.28	13.36
WHOLESALE TRADE	9.62	9.26	9.40	9.41	9.44	9.45	9.55	9.62	9.70	9.76	9.83	10.01	10.02
RETAIL TRADE[d]	5.44	5.33	5.35	5.40	5.45	5.42	5.40	5.43	5.38	5.53	5.52	5.51	5.54
SERVICES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Health services	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hospitals	10.15	9.98	9.98	10.01	9.99	10.03	10.14	10.04	10.17	10.24	10.22	10.51	10.50

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-6 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.8	43.7	43.8	43.4	42.5	42.8	43.1	42.5	42.1	42.9	42.0	42.4	42.8
Durable Goods[b]	43.1	44.1	44.3	43.7	42.9	43.0	43.2	42.8	42.5	43.3	42.0	42.3	42.8
Fabricated metal products	41.0	39.5	41.4	40.7	39.8	40.4	42.1	42.1	40.0	40.3	41.1	42.0	42.5
Machinery, except electrical	43.6	44.1	44.7	44.2	42.4	43.3	44.0	43.0	43.6	44.4	42.7	42.8	44.0
Metalworking machinery	45.4	45.5	45.6	46.4	45.0	44.8	45.8	45.1	45.3	46.2	43.8	44.3	47.5
General industrial machinery	40.8	40.1	40.1	40.0	37.9	40.7	42.6	42.3	42.2	42.1	41.5	38.7	41.8
Electric and electronic equipment	42.7	41.8	41.8	41.0	41.2	41.1	42.6	43.1	43.6	43.6	42.5	44.5	45.2
Electrical industrial apparatus	44.5	43.5	43.7	42.4	41.5	42.5	43.7	44.4	45.9	45.5	45.0	46.7	48.9
Transportation equipment	44.0	47.3	46.6	45.2	45.1	44.5	43.8	43.7	42.3	43.9	41.8	42.0	41.7
Nondurable Goods[c]	42.1	42.4	42.4	42.7	41.5	41.9	42.6	41.5	41.1	41.8	41.9	42.7	42.7
Food and kindred products	42.9	43.9	44.6	45.4	42.3	42.1	42.4	43.5	43.4	40.7	40.2	43.3	42.9
Paper and allied products	45.4	45.0	45.4	45.2	46.1	44.9	45.5	43.8	43.5	45.0	45.8	46.5	47.7
Printing and publishing	39.6	40.3	40.5	39.7	38.1	39.7	39.8	39.4	39.4	39.7	39.0	39.8	39.7
Rubber and misc. plastics products	41.7	42.5	42.0	42.7	41.0	41.6	43.0	41.4	40.5	41.1	41.2	42.6	41.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.2	39.4	39.6	40.4	39.5	39.9	40.6	41.0	40.1	40.3	40.5	40.4	40.4
WHOLESALE TRADE	40.2	40.6	40.5	39.5	39.5	39.8	40.3	40.8	40.1	40.1	41.0	40.3	40.3
RETAIL TRADE	29.0	29.6	28.8	28.9	29.2	29.0	28.9	29.3	29.2	29.0	28.7	28.1	28.9
SERVICES	....	....	....	....	....	....	....	....	....	....	....	....	....
Health services	....	....	....	....	....	....	....	....	....	....	....	....	....
Hospitals	33.3	33.3	33.2	33.3	33.5	33.5	32.9	33.0	33.0	33.2	33.4	33.4	33.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-6 (1986)

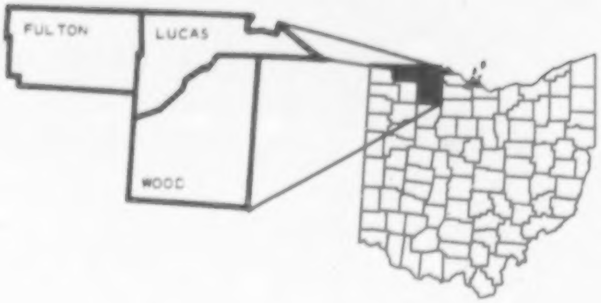
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON-SPRINGFIELD MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$514.88	$534.45	$532.61	$526.44	$510.85	$515.31	$518.06	$511.28	$502.25	$516.52	$502.74	$505.83	$509.32
Durable Goods[b]	528.84	554.34	550.65	540.13	526.81	528.04	527.04	523.87	516.38	532.16	511.98	512.25	517.45
Fabricated metal products	378.43	352.34	375.08	372.41	366.96	370.87	392.37	391.11	364.40	367.54	384.70	395.64	403.75
Machinery, except electrical	552.85	563.16	568.58	559.57	530.85	546.01	551.76	548.25	551.10	568.76	541.86	540.99	561.44
Metalworking machinery	532.09	528.26	528.96	541.02	517.95	517.44	534.03	525.87	532.28	550.24	515.96	527.61	574.28
General industrial machinery	421.87	401.00	406.61	405.20	387.34	424.09	437.08	442.04	444.79	440.79	437.00	397.84	443.92
Electric and electronic equipment	398.82	387.49	386.23	383.35	383.57	378.53	400.01	402.99	409.40	402.86	396.53	411.63	434.82
Electrical industrial apparatus	470.81	448.92	447.05	436.72	428.28	440.30	456.67	467.53	495.26	487.76	484.20	499.69	546.70
Transportation equipment	644.60	712.34	692.48	669.41	662.97	659.94	640.36	634.52	612.50	642.26	604.85	603.96	598.40
Nondurable Goods[c]	477.41	477.00	481.66	489.34	466.46	474.31	489.05	473.52	462.79	470.67	474.73	486.78	485.07
Food and kindred products	360.79	384.13	390.70	393.62	355.32	346.90	362.94	369.75	367.16	335.37	326.02	347.70	347.06
Paper and allied products	470.34	446.40	463.08	459.68	468.38	463.37	476.39	459.46	449.36	465.30	483.19	491.04	515.16
Printing and publishing	422.14	426.37	432.95	421.61	405.00	420.82	417.90	416.46	419.61	423.60	418.86	429.84	431.94
Rubber and misc. plastics products	599.65	609.03	607.74	623.42	580.56	596.96	624.36	600.30	583.61	584.44	593.28	616.85	582.39
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services	528.63	514.17	516.78	535.70	513.90	521.09	533.48	539.97	518.89	531.15	540.27	536.51	539.74
WHOLESALE TRADE	386.72	375.96	380.70	371.70	372.88	376.11	384.87	392.50	388.97	391.38	403.03	403.40	403.81
RETAIL TRADE[d]	157.76	157.77	154.08	156.06	159.14	157.18	156.06	159.10	157.10	160.37	158.42	154.83	160.11
SERVICES	......	......	......	......	......	......	......	......	......	......	......	......	......
Health services	......	......	......	......	......	......	......	......	......	......	......	......	......
Hospitals	338.00	332.33	331.34	333.33	334.67	336.01	333.61	331.32	335.61	339.97	341.35	351.03	354.90

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton-Springfield area is defined as Clark, Greene, Miami, and Montgomery Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-6 (1986)

TOLEDO
METROPOLITAN STATISTICAL AREA

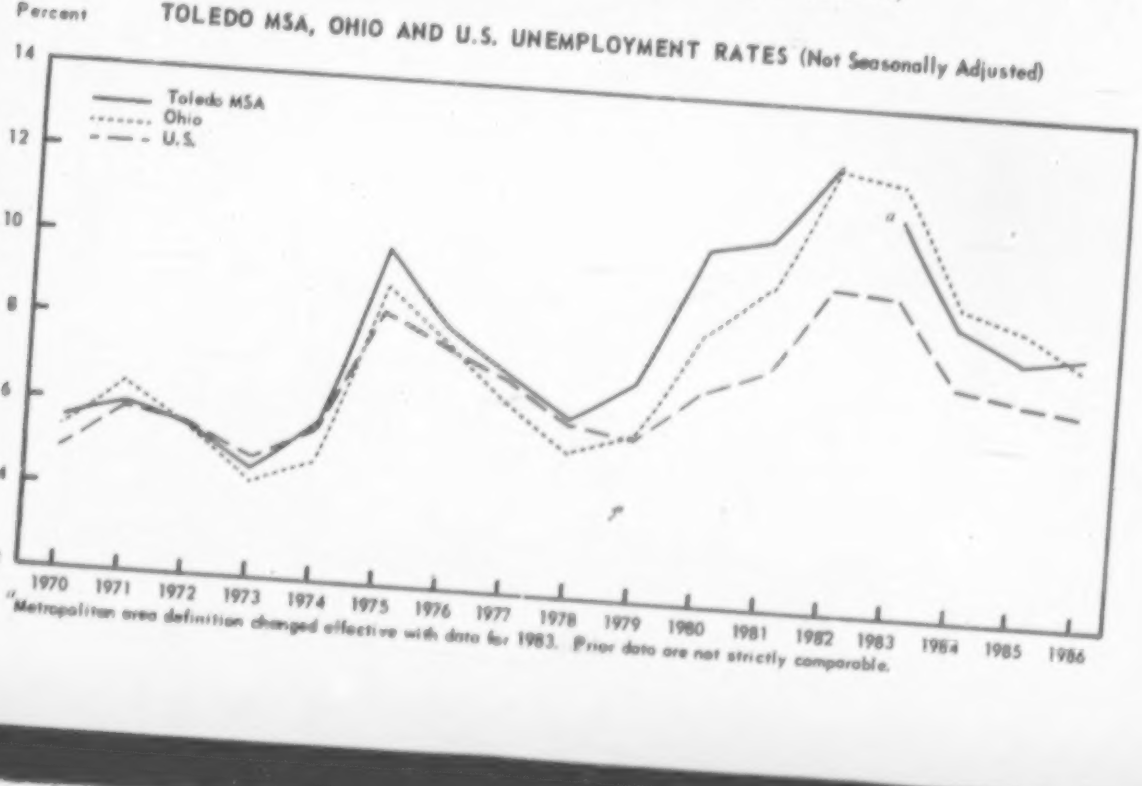


The estimated annual average civilian labor force, based on place of residence, increased 11,500 from 1985, to 308,000 in 1986, in the Toledo metropolitan area. Total employment advanced 9,900 over the year, but unemployment rose 1,600. The unemployment rate increased from 8.2 percent in 1985 to 8.4 percent in 1986. (See table, page 91, top.)

The monthly employer survey indicated that nonagricultural wage and salary employment increased 8,500 over the year. Nearly all nonmanufacturing industries showed improvement. Significant growth was registered in services: business services increased 1,900; health services, 1,600. Gains were also noted in retail trade (+2,200), government (+1,300), and construction (+1,100). Manufacturing employment decreased 2,100 over the period, as reductions were recorded in all industries except rubber and miscellaneous plastics products. Motor vehicles and equipment showed a loss of 1,100 jobs between 1985 and 1986.

Nonfarm employment continued to recover from the recession of the early 1980's primarily due to growth in the nonmanufacturing sector. Gains in services and retail trade contributed most to the recovery. All manufacturing industries except stone, clay, and glass products increased between 1983 and 1986, with motor vehicles and equipment improving the most. However, employment in all manufacturing industries remain below 1979 levels. (See table, page 91, bottom.)

TOLEDO MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



[a] Metropolitan area definition changed effective with data for 1983. Prior data are not strictly comparable.

CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Toledo Metropolitan Statistical Area

	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	319.3	300.3	19.1	6.0	6.5	5.9
1972	329.4	311.3	18.1	5.5	5.5	5.6
1973	339.8	324.2	15.6	4.6	4.3	4.9
1974	343.8	324.2	19.7	5.7	4.8	5.6
1975	344.8	310.2	34.6	10.0	9.1	8.5
1976	347.8	319.4	28.4	8.2	7.8	7.7
1977	355.0	329.4	25.6	7.2	6.5	7.1
1978	362.1	339.7	22.4	6.2	5.4	6.1
1979	368.2	341.7	26.4	7.2	5.9	5.8
1980	368.2	329.8	38.4	10.4	8.4	7.1
1981	367.4	328.0	39.4	10.7	9.6	7.6
1982	369.4	323.0	46.4	12.6	12.5	9.7
1983[c]	289.2	256.1	33.1	11.4	12.2	9.6
1984	293.5	267.3	26.2	8.9	9.4	7.5
1985	296.5	272.3	24.3	8.2	8.9	7.2
1986	308.0	282.2	25.9	8.4	8.1	7.0

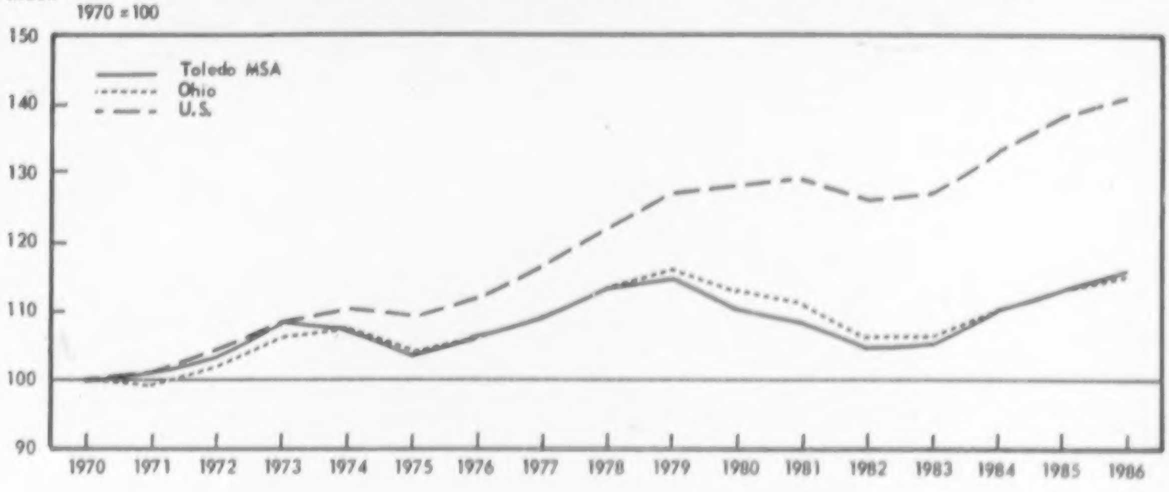
[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.
[c] Data not comparable to previous years due to change in metropolitan area definition.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE TOLEDO METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

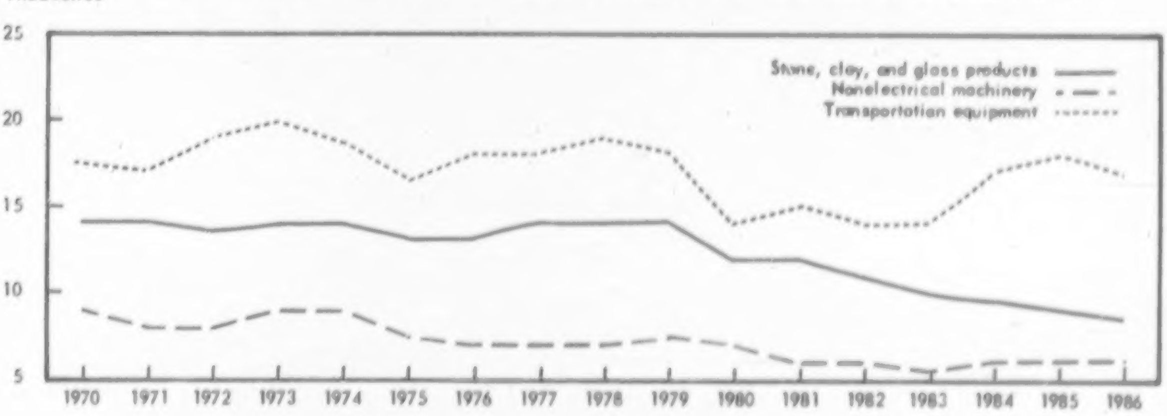
Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	268.2	245.7	273.0	-22.5	27.3	121.3	97.6
MANUFACTURING	77.4	59.6	63.6	-17.8	4.0	22.4	13.7
Durable Goods	61.5	46.2	49.6	-15.3	3.4	22.2	11.5
Stone, clay, and glass products	13.8	10.1	8.5	-3.7	-1.6	-	-
Transportation equipment	17.7	14.3	17.0	-3.4	2.7	79.4	63.4
Motor vehicles and equipment	16.3	13.1	16.0	-3.2	2.9	90.6	32.5
Nondurable Goods	16.0	13.4	14.0	-2.6	.6	23.0	23.0
CONSTRUCTION	10.3	7.3	9.6	-3.0	2.3	76.6	57.6
TRANSPORTATION AND PUBLIC UTILITIES	17.7	13.8	13.9	-3.9	.1	2.5	20.9
WHOLESALE TRADE	14.1	13.9	14.5	- .2	.6	300.0	228.7
RETAIL TRADE	47.1	44.6	52.2	-2.5	7.6	304.0	348.7
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.5	11.0	.2	1.5	+	+
SERVICES	53.0	57.8	67.1	4.8	9.3	+	+
GOVERNMENT	39.0	38.6	40.9	- .4	2.3	575.0	132.6

+ No downturn, 1979-1983.
- No upturn, 1983-1986.

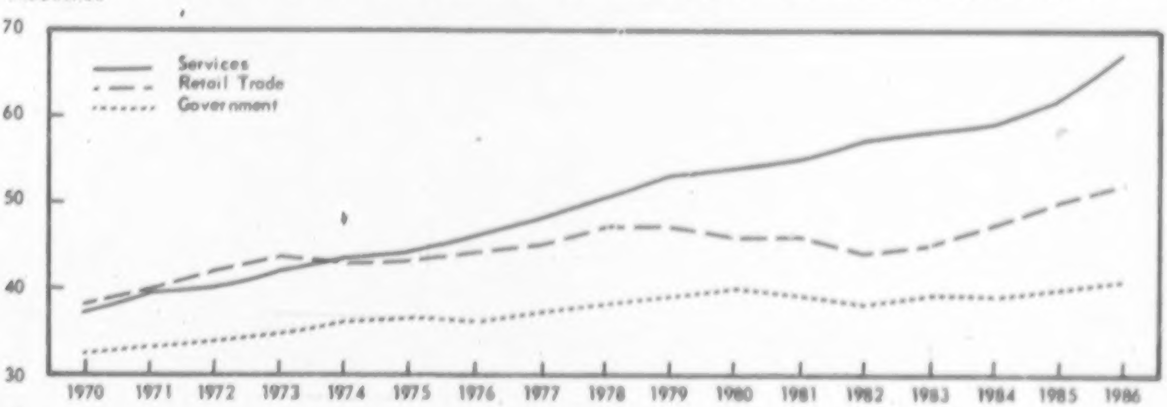
INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



TOLEDO MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)



1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a]
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	273.0	265.8	265.7	266.3	271.2	273.1	270.5	268.6	271.5	277.3	280.0	283.0	283.4
MANUFACTURING	63.6	65.2	63.8	62.9	63.7	62.8	63.3	63.0	64.1	64.5	63.4	63.1	63.0
Durable Goods[b]	49.6	51.7	50.2	49.2	50.0	49.0	49.4	49.1	49.1	49.6	49.6	49.2	48.8
Stone, clay, and glass products	8.5	8.5	8.6	8.6	8.5	8.6	8.7	8.7	8.7	8.7	8.6	8.1	8.1
Primary metal industries	3.3	3.4	3.4	3.5	3.5	3.4	3.4	3.1	3.2	3.3	3.2	3.2	3.2
Fabricated metal products	7.5	7.7	7.5	7.6	7.5	7.4	7.5	7.4	7.5	7.6	7.5	7.5	7.5
Metal forgings and stampings	3.2	3.5	3.3	3.4	3.2	3.2	3.2	3.1	3.1	3.2	3.2	3.3	3.2
Machinery, except electrical	6.0	6.0	5.9	6.0	6.0	6.1	6.0	6.0	6.0	6.1	6.1	6.1	6.1
Electric and electronic equipment	2.8	3.0	2.0	2.0	3.0	3.0	2.9	2.9	3.0	3.0	3.0	2.9	3.0
Transportation equipment	17.0	18.9	18.6	17.3	17.3	16.2	16.5	16.6	16.2	16.4	16.7	16.8	16.5
Motor vehicles and equipment	16.0	17.8	17.6	16.3	16.3	15.2	15.4	15.6	15.2	15.4	15.7	15.8	15.5
Nondurable Goods[c]	14.0	13.5	13.6	13.8	13.6	13.8	13.9	13.9	15.0	15.0	13.8	13.9	14.2
Food and kindred products	3.5	3.3	3.3	3.3	3.2	3.3	3.5	3.4	4.3	4.2	3.3	3.3	3.5
Rubber and misc. plastics products	3.0	2.9	3.0	3.0	3.0	3.0	2.9	3.0	3.1	3.2	3.1	3.1	3.2
NONMANUFACTURING[d]	209.4	200.5	201.8	203.3	207.5	210.3	207.2	205.5	207.4	212.7	216.6	219.9	220.4
CONSTRUCTION	9.6	7.8	7.6	7.9	9.0	9.5	9.8	10.3	10.8	10.9	11.1	10.8	10.1
TRANSPORTATION AND PUBLIC UTILITIES	13.9	13.5	13.5	13.5	13.7	13.8	13.3	13.3	14.2	14.3	14.5	14.5	14.5
Trucking and warehousing	5.5	5.3	5.3	5.3	5.3	5.4	5.4	5.3	5.5	5.5	5.7	5.7	5.8
Communication, electric, gas services	4.9	4.9	4.9	4.9	4.8	4.8	4.2	4.3	5.1	5.1	5.1	5.1	5.1
WHOLESALE TRADE	14.5	14.2	14.2	14.2	14.4	14.6	14.7	14.6	14.6	14.5	14.5	14.5	14.4
Wholesale trade-durable goods	9.7	9.6	9.6	9.6	9.7	9.8	9.8	9.7	9.7	9.7	9.7	9.6	9.5
RETAIL TRADE	52.2	50.5	50.0	50.4	50.7	51.7	52.1	51.9	52.4	52.7	53.5	54.9	56.1
General merchandise stores	7.2	7.4	7.0	7.0	6.8	6.8	6.9	7.0	7.0	7.1	7.3	7.9	8.2

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1986[a] (Continued)
(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	p December
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.5	10.6	10.7	10.9	10.9	11.1	11.2	11.2	11.2	11.3	11.3	11.4
Banking	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.6
SERVICES	67.1	63.2	63.7	64.2	66.4	66.9	67.1	67.4	67.7	68.2	68.5	70.7	70.9
Business services	12.8	12.0	12.1	12.0	12.8	12.8	12.8	13.1	13.2	13.2	13.2	13.3	13.4
Health services	26.2	25.1	25.0	25.2	25.5	25.7	26.0	26.1	26.3	26.1	26.3	28.5	28.6
Hospitals	14.7	14.3	14.4	14.5	14.6	14.6	14.7	14.8	14.9	14.9	14.9	15.0	15.0
GOVERNMENT	40.9	40.6	42.1	42.2	42.2	42.7	39.0	36.6	36.3	40.6	42.9	42.9	42.8
State government	14.8	14.6	15.9	15.9	15.9	16.1	12.3	11.8	11.5	14.4	16.3	16.4	16.1
State government education	10.8	10.8	12.0	12.0	12.0	12.1	8.3	7.7	7.4	10.4	12.4	12.5	12.2
State government, except education ...	3.9	3.8	3.6	3.9	4.0	3.9	4.0	4.1	4.1	4.0	3.9	3.9	4.0
Local government	23.5	23.4	23.7	23.7	23.7	24.0	24.0	22.2	22.2	23.6	24.0	24.0	24.0
Local government education	13.3	13.4	13.6	13.7	13.6	13.7	13.4	11.4	11.5	13.3	13.8	13.9	14.0
Local government, except education ...	10.3	10.0	10.0	10.0	10.1	10.3	10.6	10.8	10.7	10.3	10.2	10.1	10.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-7 (1986)

1.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1985[a]
(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	264.5	256.0	256.2	259.1	261.8	265.0	262.8	261.0	262.6	269.6	272.7	273.4	274.3
MANUFACTURING	65.7	64.6	64.6	65.0	64.7	64.9	65.3	65.5	67.0	67.9	66.9	66.2	66.3
Durable Goods[b]	51.8	51.1	51.0	51.2	50.9	51.0	51.2	51.4	52.2	52.9	53.3	52.6	52.6
Stone, clay, and glass products	8.8	9.4	9.2	9.2	8.7	8.8	8.8	8.7	8.7	8.7	8.6	8.5	8.5
Primary metal industries	3.5	3.5	3.5	3.6	3.6	3.5	3.5	3.5	3.5	3.6	3.6	3.6	3.4
Fabricated metal products	7.9	7.8	7.8	7.9	8.0	8.1	8.0	8.0	8.0	8.0	8.0	7.8	7.8
Metal forgings and stampings	3.7	3.8	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	3.6
Machinery, except electrical	6.1	6.3	6.1	6.1	6.1	6.0	6.1	6.1	6.1	6.0	6.2	6.2	6.1
Electric and electronic equipment	3.2	3.3	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.2	3.0	3.0	3.0
Transportation equipment	18.2	17.2	17.5	17.5	17.3	17.4	17.6	18.1	18.8	19.2	19.7	19.1	19.4
Motor vehicles and equipment	17.1	16.0	16.3	16.3	16.2	16.2	16.4	17.2	17.7	18.1	18.6	18.0	18.3
Nondurable Goods[c]	13.9	13.5	13.6	13.7	13.8	13.8	14.0	14.0	14.7	15.0	13.6	13.6	13.7
Food and kindred products	3.7	3.5	3.5	3.5	3.6	3.6	3.8	3.6	4.3	4.5	3.3	3.3	3.5
Rubber and misc. plastics products	2.9	2.8	2.8	2.9	2.8	2.9	2.9	2.9	2.9	3.0	3.0	3.0	2.9
NONMANUFACTURING[d]	198.8	191.4	191.6	194.2	197.1	200.1	197.5	195.5	195.7	201.7	205.7	207.2	208.0
CONSTRUCTION	8.5	7.3	6.9	7.2	7.6	8.3	8.7	9.1	9.4	9.5	9.7	9.5	9.0
TRANSPORTATION AND PUBLIC UTILITIES	13.9	13.7	13.7	13.7	13.9	14.1	14.1	14.0	14.0	13.9	14.0	14.0	14.0
Trucking and warehousing	5.4	5.4	5.4	5.4	5.4	5.4	5.5	5.4	5.3	5.2	5.4	5.6	5.6
Communication, electric, gas services	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.8	4.8	4.8	4.8	4.9
WHOLESALE TRADE	14.7	14.6	14.7	14.8	14.9	15.0	14.8	14.7	14.6	14.6	14.6	14.6	14.4
Wholesale trade-durable goods	9.9	9.9	10.0	10.0	10.0	10.1	9.9	9.8	9.7	9.7	9.7	9.8	9.7
RETAIL TRADE	50.0	47.9	46.9	47.7	48.7	49.6	50.2	49.9	50.4	50.8	51.4	52.3	53.5
General merchandise stores	7.3	7.3	6.9	6.8	6.9	7.0	7.1	7.0	7.2	7.4	7.7	8.1	8.5

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO MSA, 1985[a] (Continued)

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
FINANCE, INSURANCE, AND REAL ESTATE	10.2	9.8	9.8	9.8	9.9	10.1	10.3	10.3	10.4	10.3	10.4	10.5	10.6
Banking	3.4	3.4	3.3	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
SERVICES	61.7	58.7	58.9	59.5	60.9	61.5	61.2	62.0	62.3	63.1	64.0	64.1	64.2
Business services	10.9	10.1	10.1	10.2	10.1	10.3	10.6	10.8	11.0	11.1	11.8	12.0	12.1
Health services	24.6	24.1	24.0	24.0	24.2	24.3	24.5	24.8	24.9	25.0	24.9	25.1	25.1
Hospitals	14.2	14.2	14.1	14.1	14.0	14.0	14.2	14.3	14.3	14.3	14.2	14.3	14.3
GOVERNMENT	39.6	39.2	40.5	41.1	41.0	41.3	37.9	35.3	34.3	39.2	41.4	41.8	42.0
State government	14.2	14.0	15.2	15.6	15.5	15.4	11.8	11.4	11.1	13.9	15.6	15.8	15.6
State government education	10.4	10.2	11.4	11.8	11.6	11.6	7.9	7.5	7.2	10.0	11.8	12.1	11.8
State government, except education ...	3.8	3.8	3.8	3.8	3.9	3.8	3.9	3.9	3.9	3.9	3.8	3.8	3.8
Local government	22.9	22.9	22.9	23.2	23.0	23.5	23.6	21.3	20.7	22.9	23.3	23.5	23.8
Local government education	12.8	13.1	13.3	13.5	13.3	13.5	13.2	10.8	10.2	12.7	13.2	13.4	13.6
Local government, except education ...	10.1	9.7	9.7	9.7	9.8	10.0	10.4	10.6	10.5	10.2	10.1	10.1	10.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision."
[b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products.
[d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-7 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$12.43	$12.41	$12.51	$12.41	$12.35	$12.43	$12.42	$12.50	$12.32	$12.28	$12.48	$12.47	$12.55
Durable Goods[b]	12.93	12.89	12.98	12.96	12.87	12.94	12.86	13.00	12.94	12.89	12.93	12.97	12.94
Stone, clay, and glass products	12.67	13.32	12.89	12.74	12.61	12.61	12.60	12.53	12.52	12.55	12.52	12.61	12.55
Primary metal industries	11.36	11.25	11.38	11.33	11.29	11.36	11.40	11.40	11.22	11.53	11.10	11.49	11.49
Fabricated metal products	11.99	11.52	11.68	11.67	11.83	11.91	11.84	11.98	12.11	12.30	12.33	12.22	12.42
Metal forgings and stampings	13.78	13.20	13.70	13.60	13.72	13.82	13.71	13.76	13.94	13.74	14.04	13.71	14.40
Machinery, except electrical	11.17	10.88	11.00	11.13	11.06	11.20	11.05	11.13	11.20	11.15	11.42	11.39	11.39
Electric and electronic equipment	13.04	12.50	11.96	11.95	13.27	13.68	13.50	13.85	13.10	13.00	12.87	12.76	12.81
Transportation equipment	15.14	14.88	15.18	15.22	15.14	15.17	15.16	15.28	15.30	15.04	15.16	15.17	15.04
Motor vehicles and equipment	15.20	14.93	15.24	15.28	15.21	15.24	15.24	15.36	15.37	15.11	15.22	15.23	15.09
Nondurable Goods[c]	10.65	10.42	10.72	10.38	10.49	10.61	10.87	10.79	10.39	10.40	10.87	10.72	11.15
Food and kindred products	11.95	10.93	12.00	11.39	11.42	12.30	12.56	12.66	10.84	11.29	13.01	12.16	13.26
Rubber and misc. plastics products	8.09	8.09	8.24	8.16	8.35	7.85	8.22	8.03	7.93	7.89	7.91	8.13	8.23
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	14.12	13.68	13.55	13.71	13.62	13.79	14.55	13.96	14.36	14.53	14.65	14.48	14.59
WHOLESALE TRADE	9.24	9.16	9.07	9.22	9.28	9.31	9.21	9.26	9.23	9.20	9.29	9.31	9.27
RETAIL TRADE[d]	5.35	5.30	5.29	5.32	5.32	5.31	5.31	5.34	5.29	5.39	5.43	5.39	5.47

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-7 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	42.4	42.9	42.9	42.7	41.8	42.2	42.2	42.1	42.2	42.7	42.6	42.1	42.9
Durable Goods[b]	42.6	43.3	43.1	43.2	41.9	42.4	42.3	42.1	42.3	43.1	42.6	42.2	42.8
Stone, clay, and glass products	43.7	45.3	44.4	44.6	44.1	44.2	43.9	43.1	43.1	43.3	43.2	42.8	43.0
Primary metal industries	44.2	44.6	44.8	44.9	43.0	44.6	44.1	45.8	43.3	45.0	42.2	43.9	44.6
Fabricated metal products	42.0	42.1	43.3	42.3	41.6	41.4	40.9	39.7	41.8	43.2	42.9	41.3	43.4
Metal forgings and stampings	43.1	42.3	43.4	42.7	42.2	41.8	41.4	40.2	45.0	44.1	44.7	43.0	47.2
Machinery, except electrical	41.7	41.9	42.1	41.9	41.4	41.6	40.7	41.2	41.4	41.6	43.3	41.9	41.6
Electric and electronic equipment	43.2	42.3	38.4	41.3	38.4	40.4	42.3	50.9	43.2	44.2	44.8	44.1	44.7
Transportation equipment	42.6	43.7	42.5	43.2	41.4	42.5	42.5	42.1	42.7	43.0	42.3	42.5	42.5
Motor vehicles and equipment	42.6	43.7	42.4	43.1	41.3	42.5	42.4	42.1	42.7	43.0	42.3	42.5	42.4
Nondurable Goods[c]	41.8	41.1	42.2	41.1	41.5	41.6	41.8	42.1	41.7	41.5	42.5	41.6	43.2
Food and kindred products	43.6	40.5	45.6	40.5	41.2	45.1	42.9	45.7	43.3	42.9	47.1	42.4	47.1
Rubber and misc. plastics products	40.7	39.7	40.2	41.3	41.6	39.6	41.9	40.7	40.3	39.7	40.9	41.0	40.9
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	42.9	42.4	41.7	42.7	41.7	42.1	44.6	43.1	43.5	43.9	43.5	43.1	43.5
WHOLESALE TRADE	38.1	37.8	37.3	37.8	39.0	38.9	37.9	38.3	37.7	38.3	38.0	38.7	38.0
RETAIL TRADE	29.1	28.5	28.6	28.5	28.8	29.5	29.2	29.6	29.7	29.1	28.7	28.9	29.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-7 (1986)

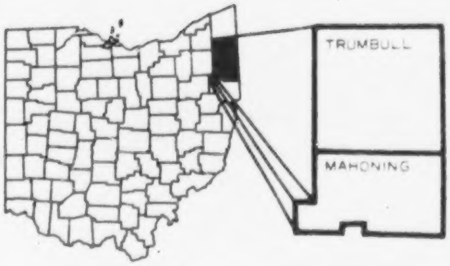
AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$527.03	$532.39	$536.68	$529.91	$516.23	$524.55	$524.12	$526.25	$519.90	$524.36	$531.65	$524.99	$538.40
Durable Goods[b]	550.82	558.14	559.44	559.87	539.25	548.66	543.98	547.30	547.36	555.56	550.82	547.33	553.83
Stone, clay, and glass products	553.68	603.40	572.32	568.20	556.10	557.36	553.14	540.04	539.61	543.42	540.86	539.71	539.65
Primary metal industries	502.11	501.75	509.82	508.72	485.47	506.66	502.74	522.12	485.83	518.85	468.42	504.41	512.45
Fabricated metal products	503.58	484.99	505.74	493.64	492.13	493.07	484.26	475.61	506.20	531.36	528.96	504.69	539.03
Metal forgings and stampings	593.92	558.36	594.58	580.72	578.98	577.68	567.59	553.15	627.30	605.93	627.59	589.53	679.68
Machinery, except electrical	465.79	455.87	463.10	466.35	457.88	465.92	449.74	458.56	463.68	463.84	494.49	477.24	473.82
Electric and electronic equipment	563.33	528.75	459.26	493.54	509.57	552.67	571.05	704.97	565.92	574.60	576.58	562.72	572.61
Transportation equipment	644.96	650.26	645.15	657.50	626.80	644.73	644.30	643.29	653.31	646.72	641.27	644.73	639.20
Motor vehicles and equipment	647.52	652.44	646.18	658.57	628.17	647.70	646.18	646.63	656.30	649.73	643.81	647.28	639.82
Nondurable Goods[c]	445.17	428.26	452.38	426.62	435.34	441.38	454.37	454.26	433.26	431.60	463.06	445.95	481.68
Food and kindred products	521.02	442.67	547.20	461.30	470.50	554.73	538.82	578.56	469.37	484.34	612.77	515.58	624.55
Rubber and misc. plastics products	329.26	321.17	331.25	337.01	347.36	310.86	344.42	326.82	319.58	313.23	323.52	333.33	336.61
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	605.75	580.03	565.04	585.42	567.95	580.56	648.93	601.68	624.66	637.87	637.28	624.09	634.67
WHOLESALE TRADE	352.04	346.25	338.31	348.52	361.92	362.16	349.06	354.66	347.97	352.36	353.02	360.30	352.26
RETAIL TRADE[d]	155.69	151.05	151.29	151.62	153.22	156.65	155.05	158.06	157.11	156.85	155.84	155.77	161.37

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, and Wood Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [c] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay periods. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-7 (1986)

YOUNGSTOWN - WARREN
METROPOLITAN STATISTICAL AREA

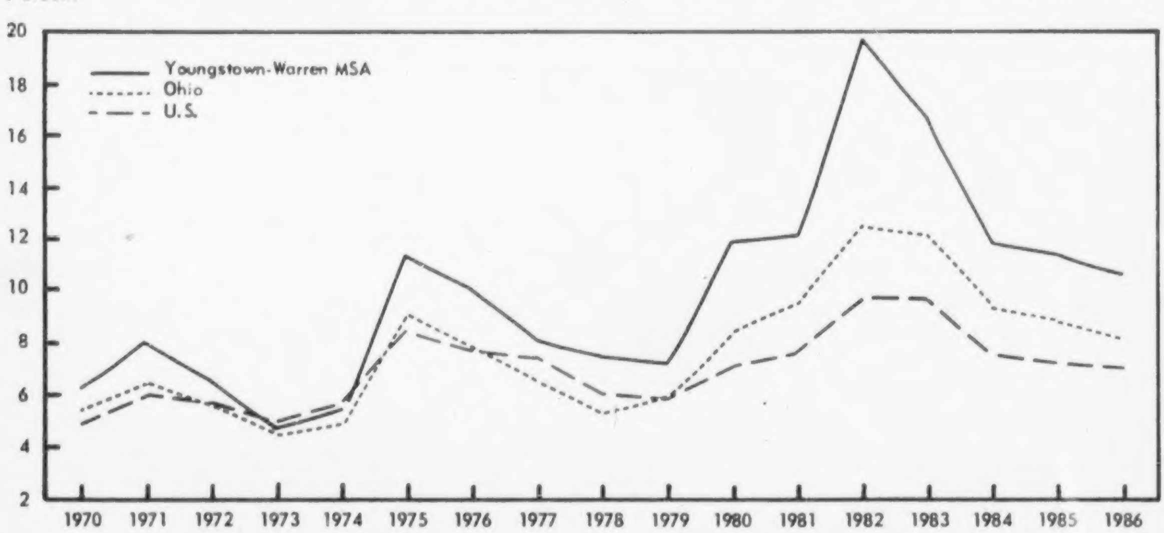


The estimated annual average civilian labor force, based on place of residence, increased 3,600 from 1985, to 224,900 in 1986. Employment rose 4,800 over the year, to 201,100, and unemployment dropped 1,200, to a 1986 total of 23,800. The unemployment rate fell from 11.3 percent in 1985, to 10.6 percent in 1986. (See table, page 101, top.)

Nonagricultural wage and salary employment rose 4,000 in 1986, due to an increase in nonmanufacturing jobs, especially services and retail trade. Manufacturing employment decreased from 52,700 in 1985 to 52,000 in 1986—a loss of 700 jobs. All manufacturing industries were down except transportation equipment, up 1,100 in 1986.

The major growth sector in the Youngstown-Warren metropolitan area since the 1979-1983 recessionary period has been services, with a net gain of 4,000 jobs from 1983 to 1986. Nonagricultural wage and salary employment recovered 29.4 percent. Manufacturing employment continued to decline during the period due to losses in durable-goods industries. (See table, page 101, bottom.)

YOUNGSTOWN-WARREN MSA, OHIO AND U.S. UNEMPLOYMENT RATES (Not Seasonally Adjusted)



CIVILIAN LABOR FORCE ESTIMATES[a] (Absolute data in thous.)
Youngstown-Warren Metropolitan Statistical Area

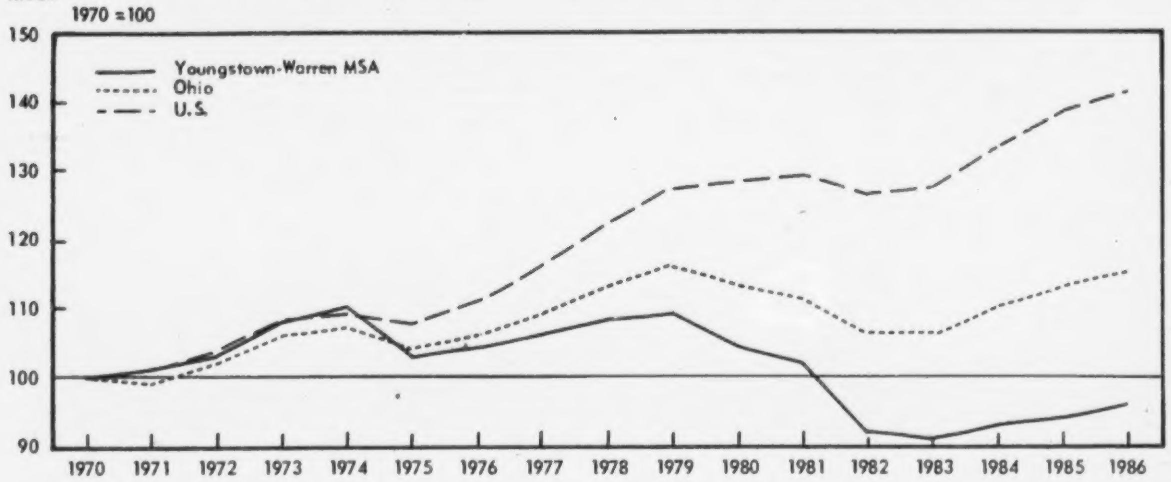
	Civilian Labor Force	Employment	Unemployment	Unemployment Rate[b]		
				MSA	Ohio	U.S.
1971	225.1	207.1	18.0	8.0	6.5	5.9
1972	226.9	212.1	14.8	6.5	5.5	5.6
1973	232.5	221.8	10.8	4.6	4.3	4.9
1974	236.7	223.7	13.0	5.5	4.8	5.6
1975	236.7	209.8	26.9	11.4	9.1	8.5
1976	234.2	210.5	23.7	10.1	7.8	7.7
1977	234.0	215.0	19.0	8.1	6.5	7.1
1978	235.2	217.5	17.7	7.5	5.4	6.1
1979	237.1	219.9	17.1	7.2	5.9	5.8
1980	238.9	210.5	28.4	11.9	8.4	7.1
1981	234.0	205.7	28.2	12.1	9.6	7.6
1982	237.0	190.3	46.6	19.7	12.5	9.7
1983	225.6	188.1	37.5	16.6	12.2	9.6
1984	222.2	195.9	26.3	11.8	9.4	7.5
1985	221.3	196.3	25.0	11.3	8.9	7.2
1986	224.9	201.1	23.8	10.62	8.1	7.0

[a] Estimates are based on place of residence.
[b] Unemployment as percentage of civilian labor force.

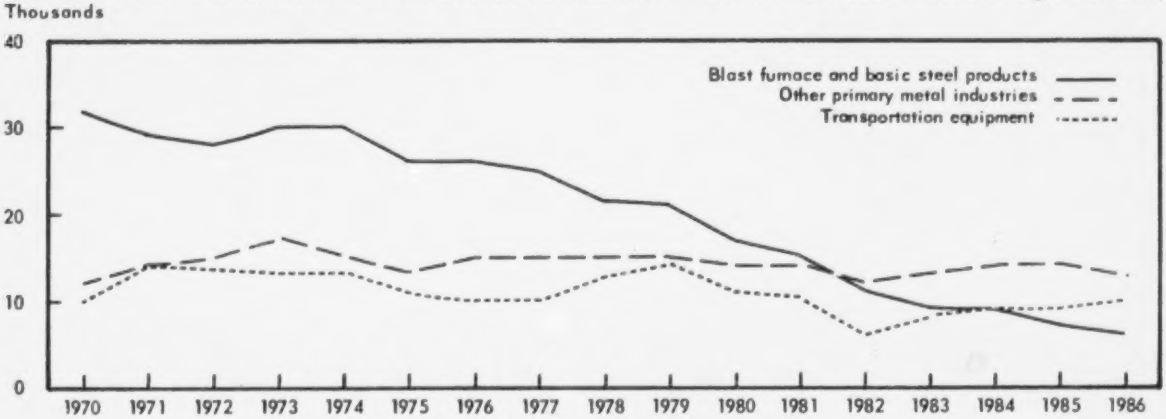
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN SELECTED INDUSTRIES
IN THE YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA
ANNUAL AVERAGE DATA FOR 1979, 1983, AND 1986

Industry	Employment (in thousands)			Employment Changes		Percent Recovery	
	1979	1983	1986	1979-1983	1983-1986	MSA	Ohio
TOTAL	213.9	177.5	188.2	-36.4	10.7	29.4	97.6
MANUFACTURING	79.9	52.8	52.0	-27.1	- .8	-	13.7
Durable Goods	73.9	47.7	46.6	-26.2	-1.1	-	11.5
Primary metal industries	35.7	22.4	19.7	-13.3	-2.7	-	-
Blast furnace & basic steel products	20.9	9.0	6.4	-11.9	-2.6	-	-
Fabricated metal products	9.7	7.7	7.7	-2.0	.0	-	15.4
Transportation equipment	13.7	8.3	10.0	-5.4	1.7	31.4	63.4
Nondurable Goods	6.0	5.0	5.4	-1.0	.4	40.0	23.0
CONSTRUCTION	7.0	4.8	6.8	-2.2	2.0	90.9	57.6
TRANSPORTATION AND PUBLIC UTILITIES	10.1	7.6	7.8	-2.5	.2	8.0	20.9
WHOLESALE TRADE	8.1	7.7	9.0	- .4	1.3	325.0	228.7
RETAIL TRADE	38.5	34.3	37.7	-4.2	3.4	80.9	348.7
FINANCE, INSURANCE, AND REAL ESTATE	7.0	7.1	8.0	.1	.9	+	+
SERVICES	37.2	38.9	42.9	1.7	4.0	+	+
GOVERNMENT	25.6	23.6	23.7	-2.0	.1	5.0	132.6

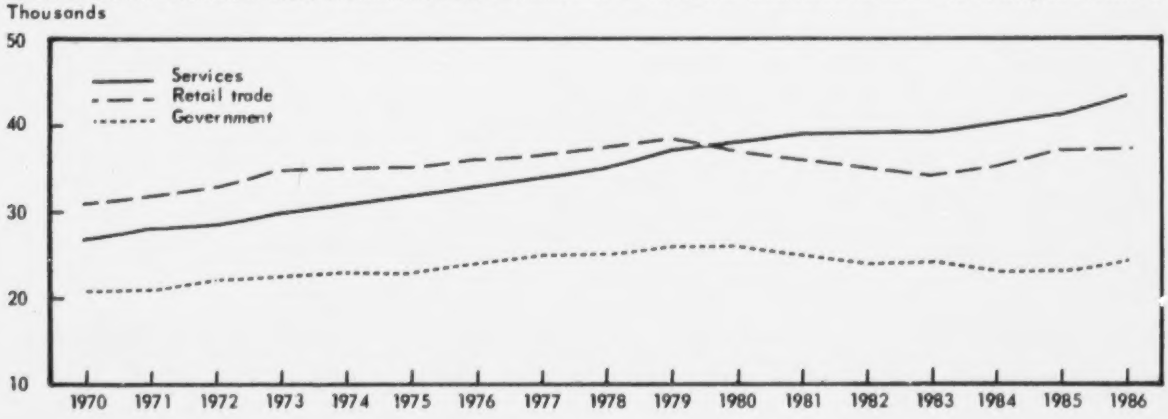
+ No downturn, 1979-1983.
- No upturn, 1983-1986.



INDEXES OF TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Manufacturing Industries)



YOUNGSTOWN-WARREN MSA NONAGRICULTURAL EMPLOYMENT (Selected Nonmanufacturing Industries)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1986[a]

(in thousands)

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	184.2	178.2	178.5	180.5	183.1	186.0	185.8	184.1	182.3	187.8	188.4	187.7	187.9
MANUFACTURING	52.7	52.6	52.5	53.0	52.9	52.8	52.9	52.3	50.0	53.8	53.8	53.3	53.1
Durable Goods[b]	47.5	47.4	47.4	47.8	47.7	47.7	47.9	47.2	44.7	48.4	48.2	47.8	47.9
Primary metal industries	20.7	21.0	20.8	21.1	21.1	20.9	20.9	20.4	20.3	20.5	20.4	20.2	20.2
Blast furnace and basic steel products	6.8	7.0	7.1	7.4	7.3	7.3	7.3	6.7	6.5	6.4	6.5	6.4	6.3
Fabricated metal products	8.0	7.9	8.0	8.0	8.0	8.1	8.1	8.0	8.1	8.1	8.2	8.0	8.0
Machinery, except electrical	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.1	4.0	4.0	4.0	3.9	3.8
Electric and electronic equipment	2.6	2.8	2.7	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Transportation equipment	8.9	8.6	8.6	8.6	8.7	8.8	8.9	8.8	6.5	9.9	9.8	9.8	10.0
Nondurable Goods[c]	5.2	5.2	5.1	5.2	5.2	5.1	5.0	5.1	5.2	5.4	5.6	5.5	5.2
NONMANUFACTURING[d]	131.4	125.6	126.0	127.5	130.2	133.1	132.9	131.8	132.4	134.0	134.7	134.5	134.8
CONSTRUCTION	6.3	4.8	4.5	4.9	5.6	6.3	6.9	7.2	7.7	7.4	7.2	6.6	6.0
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8	7.7	7.7
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
WHOLESALE TRADE	8.6	8.3	8.3	8.4	8.6	8.7	8.8	8.6	8.8	8.8	8.7	8.6	8.6
Wholesale trade-durable goods	5.7	5.5	5.5	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.7	5.7	5.7
RETAIL TRADE	36.7	34.9	34.3	34.8	36.1	36.9	37.3	37.1	37.4	37.5	37.3	38.0	38.6
General merchandise stores	6.2	6.2	5.8	5.7	5.8	5.9	6.0	6.1	6.3	6.3	6.5	7.0	7.2
FINANCE, INSURANCE, AND REAL ESTATE	7.5	7.2	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8
Banking	2.6	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
SERVICES	41.1	39.4	39.8	40.3	40.9	41.6	41.8	41.8	41.6	42.3	41.6	41.0	40.9
Health services	18.1	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3
Hospitals	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8
GOVERNMENT	23.0	23.0	23.7	23.8	23.4	23.9	22.2	21.0	20.9	22.1	23.7	24.2	24.5
State government	3.8	3.6	4.1	4.2	3.8	4.1	4.0	3.2	3.1	2.7	3.8	4.3	4.3
State government education	2.3	2.2	2.7	2.7	2.3	2.7	2.5	1.6	1.6	1.2	2.4	2.8	2.8
State government, except education	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5
Local government	17.3	17.5	17.6	17.7	17.6	17.8	16.2	15.8	15.8	17.4	17.9	18.0	18.2
Local government education	10.9	11.2	11.4	11.5	11.4	11.5	9.6	9.2	9.2	11.0	11.6	11.7	11.7
Local government, except education	6.4	6.3	6.2	6.3	6.3	6.3	6.6	6.7	6.6	6.5	6.3	6.3	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-8 (1986)

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN MSA, 1985[a]

(in thousands)

Industry	1985 Average	January	February	March	April	May	June	July	August	September	October	November	December
TOTAL	184.2	178.2	178.5	180.5	183.1	186.0	185.8	184.1	182.3	187.8	188.4	187.7	187.9
MANUFACTURING	52.7	52.6	52.5	53.0	52.9	52.8	52.9	52.3	50.0	53.8	53.8	53.3	53.1
Durable Goods[b]	47.5	47.4	47.4	47.8	47.7	47.7	47.9	47.2	44.7	48.4	48.2	47.8	47.9
Primary metal industries	20.7	21.0	20.8	21.1	21.1	20.9	20.9	20.4	20.3	20.5	20.4	20.2	20.2
Blast furnace and basic steel products	6.8	7.0	7.1	7.4	7.3	7.3	7.3	6.7	6.5	6.4	6.5	6.4	6.3
Fabricated metal products	8.0	7.9	8.0	8.0	8.0	8.1	8.1	8.0	8.1	8.1	8.2	8.0	8.0
Machinery, except electrical	4.0	3.9	4.0	4.0	4.1	4.1	4.2	4.1	4.0	4.0	4.0	3.9	3.8
Electric and electronic equipment	2.6	2.8	2.7	2.7	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Transportation equipment	8.9	8.6	8.6	8.6	8.7	8.8	8.9	8.8	6.5	9.9	9.8	9.8	10.0
Nondurable Goods[c]	5.2	5.2	5.1	5.2	5.2	5.1	5.0	5.1	5.2	5.4	5.6	5.5	5.2
NONMANUFACTURING[d]	131.4	125.6	126.0	127.5	130.2	133.1	132.9	131.8	132.4	134.0	134.7	134.5	134.8
CONSTRUCTION	6.3	4.8	4.5	4.9	5.6	6.3	6.9	7.2	7.7	7.4	7.2	6.6	6.0
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.3	7.4	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8	7.7	7.7
Communication, electric, gas services	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0
WHOLESALE TRADE	8.6	8.3	8.3	8.4	8.6	8.7	8.8	8.6	8.8	8.8	8.7	8.6	8.6
Wholesale trade-durable goods	5.7	5.5	5.5	5.6	5.7	5.8	5.9	5.8	5.8	5.8	5.7	5.7	5.7
RETAIL TRADE	36.7	34.9	34.3	34.8	36.1	36.9	37.3	37.1	37.4	37.5	37.3	38.0	38.6
General merchandise stores	6.2	6.2	5.8	5.7	5.8	5.9	6.0	6.1	6.3	6.3	6.5	7.0	7.2
FINANCE, INSURANCE, AND REAL ESTATE	7.5	7.2	7.2	7.2	7.3	7.4	7.5	7.6	7.6	7.6	7.7	7.7	7.8
Banking	2.6	2.5	2.5	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.6	2.7	2.7
SERVICES	41.1	39.4	39.8	40.3	40.9	41.6	41.8	41.8	41.6	42.3	41.6	41.0	40.9
Health services	18.1	18.0	18.0	18.1	18.1	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.3
Hospitals	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.9	9.9	9.9	9.8	9.8	9.8
GOVERNMENT	23.0	23.0	23.7	23.8	23.4	23.9	22.2	21.0	20.9	22.1	23.7	24.2	24.5
State government	3.8	3.6	4.1	4.2	3.8	4.1	4.0	3.2	3.1	2.7	3.8	4.3	4.3
State government education	2.3	2.2	2.7	2.7	2.3	2.7	2.5	1.6	1.6	1.2	2.4	2.8	2.8
State government, except education	1.5	1.5	1.4	1.4	1.5	1.5	1.5	1.6	1.5	1.5	1.5	1.4	1.5
Local government	17.3	17.5	17.6	17.7	17.6	17.8	16.2	15.8	15.8	17.4	17.9	18.0	18.2
Local government education	10.9	11.2	11.4	11.5	11.4	11.5	9.6	9.2	9.2	11.0	11.6	11.7	11.7
Local government, except education	6.4	6.3	6.2	6.3	6.3	6.3	6.6	6.7	6.6	6.5	6.3	6.3	6.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1986 benchmark. Includes full- and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Includes mining. [e] Depressed due to labor-management disputes.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-1-8 (1985)

AVERAGE HOURLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$13.30	$13.57	$13.51	$13.34	$13.21	$13.18	$13.17	$13.21	$13.10	$13.31	$13.19	$13.32	$13.51
Durable Goods[b]	13.67	13.93	13.88	13.68	13.56	13.55	13.51	13.59	13.46	13.68	13.58	13.69	13.87
Primary metal industries	14.23	14.17	14.03	13.93	13.96	13.91	14.06	14.34	14.51	14.45	14.38	14.44	14.50
Blast furnace and basic steel products	14.31	13.66	13.68	13.62	13.51	13.53	13.80	14.36	14.74	14.73	14.85	15.16	15.51
Fabricated metal products	13.48	13.69	13.70	13.87	13.56	13.87	13.58	13.19	12.99	13.14	12.97	13.42	13.67
Machinery, except electrical	11.36	11.62	11.44	11.31	11.35	11.22	11.26	11.19	11.28	11.35	11.28	11.51	11.52
Electric and electronic equipment	10.49	10.30	10.37	10.37	10.40	10.45	10.35	10.36	10.35	10.70	10.70	10.78	10.66
Transportation equipment	15.14	16.02	15.98	15.49	15.11	14.98	14.83	14.98	14.35	14.98	14.89	14.73	15.16
Nondurable Goods[c]	9.34	9.13	9.14	9.29	9.16	9.34	9.48	9.31	9.29	9.40	9.39	9.47	9.63
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Communication, electric, gas services ..	13.06	12.70	12.74	12.93	12.76	12.77	13.04	13.30	13.04	13.21	13.41	13.37	13.41
WHOLESALE TRADE	8.68	8.60	8.58	8.65	8.67	8.64	8.54	8.60	8.71	8.68	8.74	8.95	8.80
RETAIL TRADE[d]	5.66	5.63	5.67	5.70	5.67	5.63	5.64	5.63	5.59	5.65	5.68	5.68	5.77

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-4-8 (1986)

AVERAGE WEEKLY HOURS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	41.6	42.3	42.2	41.2	41.1	40.5	41.0	41.1	41.3	41.9	41.3	41.9	42.9
Durable Goods[b]	41.8	42.6	42.5	41.4	41.3	40.7	41.1	41.3	41.5	42.2	41.5	42.2	43.1
Primary metal industries	40.1	40.7	40.0	38.9	39.3	38.5	38.8	39.3	40.3	41.4	40.7	41.6	42.0
Blast furnace and basic steel products	39.6	37.3	37.1	37.1	36.8	36.1	37.3	39.4	40.8	42.4	42.1	43.8	45.4
Fabricated metal products	41.5	41.1	41.1	41.5	41.0	42.2	42.2	41.5	41.3	41.0	40.5	42.1	42.7
Machinery, except electrical	40.9	40.7	41.0	41.4	41.3	40.5	40.7	40.0	40.9	40.7	40.5	40.6	42.4
Electric and electronic equipment	39.4	38.6	39.5	39.1	39.9	38.8	39.2	39.4	39.4	40.1	39.7	40.0	38.7
Transportation equipment	46.1	49.6	49.5	46.9	45.8	43.9	45.1	45.4	44.6	45.6	44.7	44.8	47.6
Nondurable Goods[c]	39.1	39.2	39.4	38.7	39.1	38.7	40.0	39.3	38.6	38.9	39.0	38.8	40.1
TRANSPORTATION AND PUBLIC UTILITIES	....	....	....	....	....	....	....	....	....	....	....	....	....
Communication, electric, gas services	40.4	40.1	39.8	40.4	40.4	40.3	41.0	41.1	40.2	40.4	40.6	40.5	40.6
WHOLESALE TRADE	38.2	38.3	37.8	38.1	38.5	39.2	37.9	38.8	38.3	38.0	38.2	37.6	37.8
RETAIL TRADE	29.5	28.5	28.9	28.8	29.4	29.8	29.9	30.0	30.1	29.6	29.6	29.4	30.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average weekly hours are computed from the sum of hours worked plus hours paid for stand-by or reporting time, sick leave, holidays, and vacations. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

Labor Market Information Division
Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-3-8 (1986)

AVERAGE WEEKLY EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN MSA, 1986[a]

Industry	1986 Average	January	February	March	April	May	June	July	August	September	October	November	December
MANUFACTURING	$553.28	$574.01	$570.12	$549.61	$542.93	$533.79	$539.97	$542.93	$541.03	$557.69	$544.75	$558.11	$579.58
Durable Goods[b]	571.41	593.42	589.90	566.35	560.03	551.49	555.26	561.27	558.59	577.30	563.57	577.72	597.80
Primary metal industries	570.62	576.72	561.20	541.88	548.63	535.54	545.53	563.56	584.75	598.23	585.27	600.70	609.00
Blast furnace and basic steel products	566.68	509.52	507.53	505.30	497.17	488.43	514.74	565.78	601.39	624.55	625.19	664.01	704.15
Fabricated metal products	559.42	562.66	563.07	575.61	555.96	585.31	573.08	547.39	536.49	538.74	525.29	564.98	583.71
Machinery, except electrical	464.62	472.93	469.04	468.23	468.76	454.41	458.28	447.60	461.35	461.95	456.84	467.31	488.45
Electric and electronic equipment	413.31	397.58	409.62	405.47	414.96	405.46	405.72	408.18	407.79	429.07	424.79	431.20	412.54
Transportation equipment	697.95	794.59	791.01	726.48	692.04	657.62	668.83	680.09	640.01	683.09	665.58	659.90	721.62
Nondurable Goods[c]	365.19	357.90	360.12	359.52	358.16	361.46	379.20	365.88	358.59	365.66	366.21	367.44	386.16
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	......	......	......	......	......	......	......	......	......	......
Communication, electric, gas services ..	527.62	509.27	507.05	522.37	515.50	514.63	534.64	546.63	524.21	533.68	544.45	541.49	544.45
WHOLESALE TRADE	331.58	329.38	324.32	329.57	333.80	338.69	323.67	333.68	333.59	329.84	333.87	336.52	332.64
RETAIL TRADE[d]	166.97	160.46	163.86	164.16	166.70	167.77	168.64	168.90	168.26	167.24	168.13	166.99	175.41

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full- and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. Industrial classifications are those described in the "Standard Industrial Classification Manual-1972 Revision." [b] Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneus manufacturing. [c] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [d] Money payments only, tips not included. [e] Low due to labor-management disputes during part of pay period. [f] Not comparable to previous estimates.

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Ohio Bureau of Employment Services
Columbus 43216 3-24-87 RS-790-2-8 (1986)

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	40
Manufacturing	56
Nonmanufacturing	35
Mining	56
Construction	17
Transportation and Public Utilities	43
Wholesale Trade	19
Retail Trade	20
Finance, Insurance, and Real Estate	42
Services and Miscellaneous	26
Government	70

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1986 benchmark. Employment data for 1986 will be revised at the next benchmark.

Seasonally Adjusted Estimates

To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

The Ohio Labor Force, 1986

Richard S. Warman, Chief
Labor Force Reports

Each month, the U.S. Bureau of the Census conducts a national household survey, the Current Population Survey (CPS), which the U.S. Bureau of Labor Statistics uses to measure the nation's employment and unemployment. Statewide labor force estimates for Ohio and ten other large states are derived directly from the CPS.

According to CPS data (see table below), the Ohio civilian labor force averaged 5,234,000 in 1986, comprising 4,809,000 employed and 426,000 unemployed. The unemployment rate was 8.1 percent, down from 8.9 percent in 1985.

For men, the unemployment rate was 8.7 percent, compared to 7.3 percent for women. Contrary to the norm in earlier years, men have had higher unemployment rates than women since 1980, when Ohio entered an extended period of economic recession. Industries with predominantly male work forces—mining, construction, manufacturing, and transportation and public utilities—were hard hit and, despite recent gains (except in mining), have not returned to pre-1980 employment levels. On the other hand, the two industries with the highest proportion of female employees—services and finance, insurance, and real estate—added workers even during the recessions of the early 1980's. Women comprised 43.9 percent of the labor force and 39.7 percent of the unemployed in 1986.

Unemployment rates were highest for young workers (16-24)—16.7 percent for men and 12.7 percent for women. For prime-age workers (25-54), the rates were 7.3 percent for men and 6.1 percent for women. Older workers (55 and over) had the lowest unemployment rates—4.3 percent for men and 2.9 percent for women.

In 1986, the nonwhite unemployment rate (16.8 percent) was more than double the rate for white workers (7.2 percent). The result was that while nonwhites made up 9.7 percent of the labor force, they constituted 20.0 percent of the unemployed. The nonwhite-to-white ratios for the two sexes differed very little in respect to unemployment rate. The rates were 18.4 percent for nonwhite men, 7.8 percent for white men, 15.1 percent for nonwhite women, and 6.4 percent for white women.

Later this year, the Ohio Bureau of Employment Services will provide additional labor force information in its publication, "Ohio at Work: A Chartbook For 1986."

Employment Status of the Civilian Labor Force
By Sex, Race, and Age Group, Ohio, 1986

Characteristic	Civilian Labor Force	Employed	Unemployed	Unemployment Rate
Total, age 16 and over	5,234,000	4,809,000	426,000	8.1
Men, total	2,938,000	2,681,000	257,000	8.7
Young Men (16-24)	569,000	474,000	9[illegible]000	16.7
Prime-Age Men (25-54)	1,976,000	1,831,000	144,000	7.3
Older Men (55 and over)	393,000	376,000	17,000	4.3
Women, total	2,296,000	2,127,000	169,000	7.3
Young Women (16-24)	527,000	460,000	67,000	12.7
Prime-Age Women (25-54)	1,531,000	1,436,000	94,000	6.1
Older Women (55 and over)	238,000	231,000	7,000	2.9
White, total	4,728,000	4,387,000	341,000	7.2
White Men	2,683,000	2,474,000	210,000	7.8
White Women	2,044,000	1,913,000	131,000	6.4
Nonwhite, total	506,000	422,000	85,000	16.8
Nonwhite Men	255,000	207,000	47,000	18.4
Nonwhite Women	252,000	214,000	38,000	15.1

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